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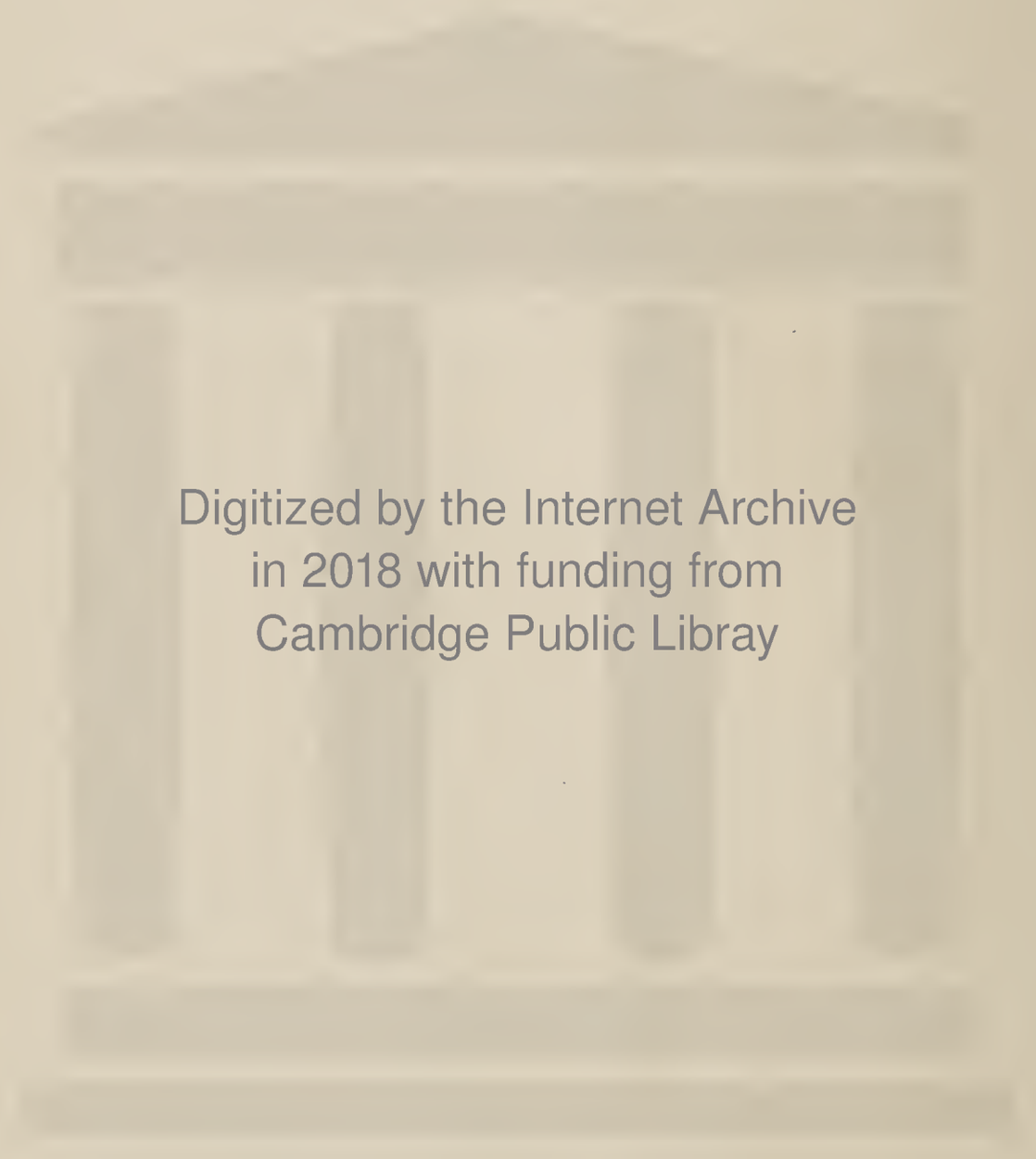

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City of Cambridge

# THE MAYOR'S ADDRESS

AT THE

## ORGANIZATION OF THE CITY GOVERNMENT

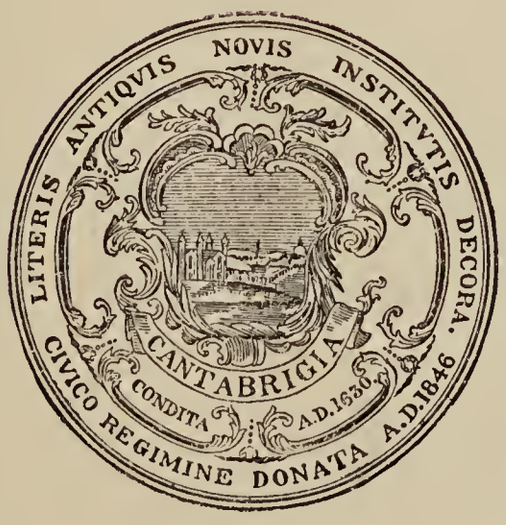
*JANUARY 6, 1896*

AND

# THE ANNUAL REPORTS

## MADE TO THE CITY COUNCIL

*FOR THE YEAR 1895*

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# ADDRESS

OF

# HON. WILLIAM A. BANCROFT,

MAYOR,

TO THE

# CITY COUNCIL,

JANUARY 6, 1896.

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Gentlemen of the City Council: —

"An important trust has been reposed in us. Let us not be unmindful of the obligation to execute that trust with strict fidelity; with a single eye to the public welfare; and unswayed from duty by regard to popular opinion. Guided by that wisdom which is from above, a guidance at all times needed, to supply human deficiency and correct human error — may we secure for our measures the favor, confidence and respect of all good men; and, above all, may we secure for ourselves that richest of rewards, which springs from the consciousness of sincere and upright endeavor."

Fifty years ago these words were spoken to your predecessors, the first city council of Cambridge, by him who first stood in the official station from which his words are now repeated. A half century has wrought great changes

in our municipality, but the sentiments expressed by Mayor Green to the City Council of 1846 are the sentiments, I doubt not, which the City Council of 1896 adopts in their entirety. In wealth and population, in municipal resources of every sort, our community has increased. Be it ours to show that in official virtue it has not diminished.

We meet at a time of prosperity for which we have abundant reason to feel grateful. Here is a population of 82,000, possessing taxable property to the amount of $82,000,000, to which large additions are constantly being made; with $15,000,000 more, exempt from taxation, devoted to intellectual, moral and religious instruction; with adequate and beautiful public buildings; with transportation facilities that enable most of us to reach the business centre of a metropolis in twenty-five minutes from our doors, and its social centre in less time, day or night, and in great part unhampered by time tables; with a water system now the most certain and ample of any in the Metropolitan District; with a sewer system unsurpassed in the State; with streets well lighted by electricity, in excellent repair, and in construction being rapidly brought to be the equal of any upon this continent; with efficient and adequate police and fire departments; with public schools kept to the highest modern standards under the guidance of the foremost university in the land, influenced by historic and literary associations that inspire youth to noble devotion; with a park system already well under way, comprising nearly one-seventh of our area, which will unite with our river and lake and shade-embowered streets to make this a city of

beauty; with freedom from the open saloon, a policy but just now emphatically approved for the tenth time at the polls; with a financial policy closely followed for near a score of years, that does not borrow a dollar for current expenses, and yet with resources that enable us to prosecute extensive and progressive municipal undertakings; with a form of city government approved by modern thought, and administered without scandal, because the community will not brook even the suspicion thereof; with much land suitable for manufactures to be obtained at a moderate cost along the line of a railroad within less than a mile from the State House, and with sites for homes unexcelled in beauty of view, as they are unequalled in proximity to Boston, by any in Massachusetts now unoccupied; with these advantages and many more to talk about, let the tongue of the croaker be silent, at least during this year of our Fiftieth Anniversary. We say to him: —

"Ne'er stand within the market place, and as you coldly frown,
With all the strength that you possess, throw cudgels at your town."

Let our defamers, who, to their shame be it said, are largely some of our own citizens, exercise their ingenuity for a time in publishing to the country the attractions of Cambridge,— attractions of interest both to the manufacturer and to the home-seeker. It is fortunate for our city that citizens of other places are not so oblivious to our situation as are some of our own. The large investments that have been made and are being made by outside capital show that our facilities are appreciated abroad. The mere statement of our resources to him who will listen ought to convince, and, if he has capital

to invest, or is seeking a home, the result ought to be the augmentation of our taxable wealth. To the accomplishment of such a result in connection with the observance of our Fiftieth Anniversary I bespeak your earnest attention.

The past decade has seen the construction of the Harvard Bridge, the opening of new thoroughfares, the erection of important public buildings, for which in large part we thank Mr. Rindge, the building of the Metropolitan sewer, the extension of the Water Works and the inauguration of our Park system. Already our future undertakings are upon us in the demands for a new Latin High School Building and for a union with Boston and Brookline to build a bridge across the Charles at the foot of Magazine Street. To both of these designs the city may be said to be committed. That nothing else of importance has been urged is of little moment. Something soon will be, for it is but a truism to say that every municipal period has its undertakings, and a municipal period is very short, indeed. So great has been the progress of late, however, and so grave have been the responsibilities assumed thereby, that it is well to inquire how much further we ought to go for the present. Let us look at the finances:

| | Nov. 30th, 1894 | Nov. 30th, 1895 | Increase. | Decrease. |
|---|---|---|---|---|
| Funded City Debt . . . | $2,721,000 00 | $2,756,000 00 | $35,000 00 | |
| Sinking Funds . . . . . | 628,289 05 | 511,816 53 | | $116,472 52 |
| Net Funded City Debt | $2,092,710 95 | $2,244,183 47 | $151,472 52 | |
| Funded Water Debt . , | $1,975,500 00 | $2,215,500 00 | $240,000 00 | |
| Sinking Funds of W. W. | 612,084 75 | 546,049 24 | | $66,035 51 |
| Net Funded Water Debt | $1,363,415 25 | $1,669,450 76 | $306,035 51 | |
| Net Valuation . . . . . | $76,445,212 00 | $80,167,039 | $3,721,827 | |
| | Nov. 30th, 1894 | Nov. 30th, 1895 | | |
| Borrowing Capacity . . | $728,796 16 | $719,841 09 | | $8,955 07 |
| Limit of Taxation for Municipal Purposes, outside of the Sinking Fund requirements, Interest on the Debt and State and County Tax . . . . . | 1895 $917,342 54 | 1896 $962,004 46 | $44,661 92 | |

The net increase in the city debt during the past year has been $151,472.52; during the past three years it has been $577,463.48. It is true that the indebtedness has been incurred for perfectly proper purposes, essential to our development, and that some of the bonds issued therefor have brought the highest premiums ever received by the city — as high as 9.83 per cent. for 20 year, four per cents, and 12.81 per cent for 30 year, four per cents, making our interest for the past year close to a 3.30 basis — a valued tribute to our credit. It is also true that during the three years our net valuation has increased $7,151,440.25 — a sure indication of our pro-

gress — yet, including the payments on account of the Metropolitan sewer, and the amount required for sinking funds and interest on the city debt, the sum to be paid from the tax levy during the current year on account of debt will be upwards of $300,000. This is a heavy burden, but it can be carried without straining our financial ability. So, with the natural increase in valuation, can be carried the expected increase of debt from the widening of Boylston and the extension or widening of other streets, the erection of a Latin School House and other buildings already provided for, the construction of trunk sewers, the prosecution of park work and the city's share in a bridge at Magazine Street, although within two years these enterprises may be expected to increase the city debt to $3,000,000, or nearly double what it was in 1892, not including the water debt and such other indebtedness as may be incurred. What ought to be postponed, I submit, are the projects for building conduits to bury electric wires, and the paving of a considerable number of streets by a loan. Neither of these projects can be carried out without incurring large indebtedness, and however desirable they may be, they are in no sense for the present necessary to our development. Again comes to our minds the rule that has been our reliance in the past, and never more than to-day ought it to be observed — do what is necessary, but be sure to do only what is necessary. No other course is safe, and the old rule has brought too much of success to be abandoned now for one involving risks. Indeed, if taken by a city government, any other course would be held a violation of duty. Trustees — and such we are

— ought not to take risks which in the case of a commercial enterprise may be not unwarranted.

In saying what I have, I am not unmindful that our financial standing is strong, that our borrowing capacity, outside of our park exemption, is nearly $500,000, and that our credit is excellent. It has been made so by our well approved methods, and it can be maintained so only by their continued observance.

## CITY DEPARTMENTS.

Five years of association with the departments of the city entitles me to speak with some knowledge of their management. I know not how it may be elsewhere, but in Cambridge my observation is that the city official is concerned not so much with what he can get *from* the city as he is with what he can get *for* the city. If an exception to this appears, it does not last long. I take pleasure, therefore, in commending the work of the several boards and heads of departments, and especially am I glad to acknowledge their support and co-operation. To their several reports I refer you for detailed statements of their doings during the past year as well as for their recommendations. There is not time to review them all here, but something should be said, for the year has been one of extraordinary activity, and first

*Of The Public Schools :* it is interesting to note some of the

## SCHOOL STATISTICS FOR 1895.

| | |
|---|---|
| Number of pupils on the first of December | 12,174 |
| Number of teachers on the first of December | 322 |
| Cost of the day schools not including the expenditure for new school houses | $299,085.93 |
| Increase over last year | 11,948.56 |
| Cost of the schools per pupil | 26.00 |
| Increase per pupil | 0.28 |

This year for the first time the expenditure for truants is included in the cost of the schools. Were this not included, the increase in the cost per pupil would be eleven cents instead of twenty-eight.

| | |
|---|---|
| Cost of instruction in the day schools | $235,811.62 |
| Increase in the cost of instruction | 6,938.14 |
| Cost of instruction per pupil | 20.50 |

The cost of instruction per pupil is the same as for 1894.

Our schools are managed with conspicuous ability and sound discretion. To them we devote, exclusive of the cost of buildings, 33.7 per cent. of our city tax.

*Of the Water Board:* that, besides its ordinary work, it has brought the Payson Park high service reservoir so near completion that it can easily be finished next season; it has laid a new 24 inch main, with small sections of 20 inch and 12 inch pipe from Third Street to Cambridge Common, a 40 inch main from Massachusetts Avenue to the Payson Park reservoir (a double line from the Pumping Station); it has stripped a large portion of the Hobbs Brook basin; nearly completed the dam at Lincoln Street; substantially completed to sub-grade the Winter Street dam, the core wall of which has been carried down to the solid ledge, in some places 18 feet below the surface of the ground; constructed a large part of the

new Winter Street; made a contract for a 20,000,000 gallon pumping engine; made much progress in altering the pumping station therefor, and continued with discrimination the work of filling at Fresh Pond,— all done on business principles with entire loyalty to the city.

*Of the Park Commission:* that much work has been done in surveying and sounding the lands along the river preparatory to settlements therefor, and to the construction of the Parkway; that it has nearly completed "Cambridge Field," including a sewer and pipes for sprinkling and flooding; that "Broadway Park" is being resurfaced and the location of paths, trees, etc., radically changed; that a sewer has been built at "Rindge Field" and the grounds thereof enclosed by a suitable fence; that the sea-wall at the "Front" has been completed, and that this work, though of the most difficult character, has been done skilfully and with great economy; that much progress has been made in filling for Commercial Avenue; and that in general the work of this department has been prosecuted with marked intelligence and economy.

*Of the Street Department:* that with a small appropriation, distinct and most satisfactory progress has been made, notably in street cleaning, in street watering, in paving, and especially in macadamizing, whereby Brattle, Kirkland, Magazine, Columbia, and Third Streets, Concord Avenue and many shorter streets have been put in superior condition. The management of this department has been characterized by energy and economy.

*Of the Engineering Department:* that the large undertakings of the water, park, street and sewer departments have necessitated the employment of an extraordinary force of engineers and assistants, and that the strain of direction upon the City Engineer has been severe, yet the numerous problems have been met with skill and fidelity.

*Of the Police Department:* that there has been no deterioration; that the liquor law and the law against gambling have been vigorously enforced, that four-fifths of the property reported stolen has been reported recovered; that increased fidelity and efficiency have been observed.

*Of the Fire Department:* that with the increase of apparatus in the last three years, the increase in efficiency has been correspondingly marked. I note also an improvement in discipline in the service.

*Of the Public Library:* that its usefulness is being extended through the services of its accomplished librarian.

*Of the Departments of Public Buildings and of the Inspection of Buildings:* that 687 permits for building have been issued, 87 more than the largest number heretofore issued; that the difficult duties of these departments have been discharged by the superintendent and inspector with intelligence, with firmness, and, I believe, with fairness; that under his guidance fire limits have been adopted and more thorough supervision and inspection effected.

*Of the Departments of Lamps and Wires:* that the new superintendent and inspector has shown both zeal

and intelligence in mastering the duties of an office which has been so ably filled, and that he has administered the office, so far as I am able to judge, in a suitable manner.

*Of the Commissioner of Bridges:* that as usual he has managed his department with prudent economy.

*Of the Board of Health:* that a larger appropriation, and great industry on the part of the Board, have increased its efficiency. During the year 1895, Diphtheria increased over the previous year 397 cases,—Scarlet Fever decreased 608 cases, and Typhoid Fever decreased 13 cases. The death rate per 1000 living was 18.31. This is the lowest death rate since 1890, and is lower than the mean annual death rate of the ten census years 1850 to 1895, which was 19.56.

*Of the Cemetery Commission:* that it has exercised much care and discretion in its management of the cemeteries, has obtained results that are altogether satisfactory, and that its recommendations ought to be substantially adopted.

*Of the Overseers of the Poor:* that they have administered their trust with diligence, prudence and humanity.

*Of the Ambulance Department:* that it has done well the work undertaken, although under conditions by no means encouraging to its superintendent. This department, in my judgment, ought to be maintained solely for accident and emergency cases.

*Of all Other Departments:* that they too are faithfully and ably managed.

A high standard of service has been set; a high standard has been reached and maintained. Unsalaried

or salaried, our Boards and Heads of Departments are worthy of all the praise bestowed upon them, and I have been glad to observe that their subordinates follow their example in placing loyal service above all else.

## DEATHS.

It is with sadness that I recall in the past three years the deaths of many who were serving, or who had served, the city. A community is measured by its representatives, and what a list of names is here — youth and age — those who were beginning, and those who had run their course: — George Stevens, Henry O. Houghton, Alpheus B. Alger, George D. Chamberlain, Edward W. Hincks, Joseph A. Holmes, Solomon S. Sleeper, Walter W. Pike, Daniel R. Sortwell, David Ellis, Harry Ellis, Almira L. Hayward, Hiram Nevons, Francis Ivers, William R. Howland, James Mellen, Robert B. Bancroft, Mason Davis, Joseph Whittemore, John L. Harrington, Frank H. Teele, Benjamin Howe, John Cahill, William A. Walker, and Joseph W. Hopkins. Whether faithful fireman whose memory is cherished by family and associates, or gallant soldier whose name is written on the pages of his country's history, they served, each according to his talent. The consciousness that we serve a city that trusted such servants as these is a blessing and an inspiration. Honor to their memories, and honor to the city that they loved.

*Gentlemen of the City Council:* I have no recommendations to make at this time, except what have been implied already in this address. Doubtless some things not

now foreseen may arise to which attention must be given, but in the main, if the enterprises in which the city is now engaged shall be prosecuted with discretion during the year, enough will have been done.

Projects in abundance there are to suggest, but experience has shown that a city in our situation had best study not what to do, but rather what not to do. For a time at least our attention will be absorbed by the observance of our Fiftieth Anniversary, which ought to contribute not a little to our advancement. Like a business enterprise that has been carefully planned and wisely managed from small beginnings, we need but to be better known to succeed the more. And we should be sure that we let neither recklessness nor extravagance find a place among us. Here, indeed, are opportunities to produce material wealth and these should be made known, but grander than these are the opportunities for men and women to develop in a city endowed by nature and adorned by art with all that makes a home delightful.

To Him who has guided us in the past we turn again as we press forward, faltering not, assured that His help will again bless the city to which He has been gracious, and whose people have oft found favor in His sight.

# ANNUAL REPORTS.

# ANNUAL REPORT OF THE CITY AUDITOR.

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City Auditor's Office,
Cambridge, December 1, 1895.

*To the Honorable the City Council:—*

The undersigned herewith presents the annual statement of the receipts and expenditures of the City of Cambridge for the fiscal year beginning on the first day of December, 1894, and ending on the thirtieth day of November, 1895, together with a schedule of the city property.

Respectfully submitted,

HARRY T. UPHAM,

*City Auditor.*

| | | | |
|---|---|---|---|
| Balance in the Treasury November 30th, 1894 | | | $388,184 70 |
| The receipts from all sources from December 1st, 1894, to November 30th, 1895, were as follows: — | | | |
| From City Departments | | $236,224 04 | |
| Water Works | | 321,463 41 | |
| Taxes: — | | | |
| City | $1,284,718 12 | | |
| Corporations | 70,906 71 | | |
| National Banks | 16,759 18 | | |
| | | 1,372,384 01 | |
| Temporary Loans in anticipation of taxes | | 550,000 00 | |
| Sale of Bonds: — | | | |
| For Public Buildings (School and Engine Houses) | $ 60,000 00 | | |
| Parks | 100,000 00 | | |
| Sewers | 40,000 00 | | |
| Metropolitan Sewer Connections | 20,000 00 | | |
| Extension & Widening of Streets | 60,000 00 | | |
| Extension of Water Works | 400,000 00 | | |
| | | 680,000 00 | |
| Perpetual Care of Lots in Cambridge Cemetery | | 1,963 25 | |
| Commissioners of Sinking Funds, for payment of Funded Debt, maturing in 1895 | | 245,000 00 | |
| Trustees of Sinking Fund of Water Works, for payment of Water Loan Bonds maturing in 1895 | | 160,000 00 | |
| Total receipts | | | 3,567,034 71 |
| *Amount carried forward* | | | $3,955,219 41 |

| | | | |
|---|---|---|---|
| *Amount brought forward* . . . . | | | $3,955,219 41 |
| The payments have been as follows: — | | | |
| For City Departments . . . . . | | $1,762,524 30 | |
| Water Works . . . . . | | 758,054 81 | |
| Cemetery Fund (invested) . . . | | 1,963 25 | |
| City Debt: — | | | |
| Municipal Loan due April 1st, 1895 . | $200,000 00 | | |
| Paving Loan due July 1st, 1895 . | 25,000 00 | | |
| Sewer Loan, due October 1st, 1895 | 20,000 00 | | |
| Temporary Loans due in Oct. 1895 . | 550,000 00 | | |
| | | 795,000 00 | |
| Taxes: — | | | |
| Abatements . . . | $19,427 40 | | |
| County . . . . | 73,887 84 | | |
| Metropolitan Sewer | 61,886 21 | | |
| National Bank . . | 7,136 92 | | |
| Sale Surplus . . . | 21 81 | | |
| State . . . . . | 46,800 00 | | |
| | | 209,160 18 | |
| Water Debt: — | | | |
| Water Loan, due April 1st, 1895 . | | 160,000 00 | |
| Total expenditures . . . . . | | | 3,686,702 54 |
| Balance in the Treasury . . . . . | | | $268,516 87 |
| The balance in the Treasury is subject to draft for amounts contracted for but not approved, to the amount of | | | 260,730 72 |
| Leaving a net balance in the Treasury of | | | $7,786 15 |

## CITY FUNDED DEBT.

There has been a decrease in the City Funded Debt during the year by the payment of the following loans: —

| | | |
|---|---|---|
| Municipal Loan, issued April 1st, 1885, payable April 1st, 1895, with interest at 4 per cent. per annum . . . . | $200,000 00 | |
| Paving Loan, issued July 1st, 1875, payable July 1st, 1895, with interest at 6 per cent. per annum . . . . | 25,000 00 | |
| Sewer Loan, issued Oct. 1st, 1875, payable Oct. 1st, 1895, with interest at 6 per cent. per annum . . . . | 20,000 00 | |
| | | $245,000 00 |

There has been an addition to the City Funded Debt during the year as follows: —

| | | |
|---|---|---|
| Building Loan, registered bonds dated Oct. 1st, 1895, payable in twenty years, at an annual interest of four per cent. . . . . | $60,000 00 | |
| Park Loan, registered bonds dated Aug. 1st, 1895, payable in forty years, at an annual interest of four per cent. | 100,000 00 | |
| Sewer Loan, registered bonds dated Oct. 1st, 1895, payable in thirty years, at an annual interest of four per cent. . . . . | 60,000 00 | |
| Street Loan, registered bonds dated Oct. 1st, 1895, payable in twenty years, at an annual interest of four per cent. . . . . | 60,000 00 | |
| | | $280,000 00 |

| | 1894. | 1895. | Increase. | Decrease. |
|---|---|---|---|---|
| Funded City Debt . | $2,721,000 00 | $2,756,000 00 | $35,000 00 | |
| Sinking Funds . . | 628,289 05 | 511,816 53 | | $116,472 52 |
| Net Funded City Debt . . . . . | $2,092,710 95 | $2,244,183 47 | $151,472 52 | |

The following is a statement of the total funded debt of the city, with the rates of interest thereon : —

**Bridge Loan.**

| Date of Issue. | Rate of Interest. | When Due. | Amount. | Total. |
|---|---|---|---|---|
| Oct. 1, 1887 | 4 per cent.—30 yrs. | Oct. 1, 1917 | $10,000 00 | |
| July 1, 1888 | 4 " —30 " | July 1, 1918 | 100,000 00 | |
| Sept. 1, 1888 | 4 " —30 " | Sept. 1, 1918 | 100,000 00 | |
| Mar. 1, 1889 | 4 " —30 " | Mar. 1, 1919 | 115,000 00 | |
| Nov. 1, 1890 | 4 " —30 " | Nov. 1, 1920 | 5,000 00 | |
| July 1, 1891 | 4 " —30 " | July 1, 1921 | 60,000 00 | |
| July 1, 1891 | 4 " —10 " | July 1, 1901 | 15,000 00 | |
| Aug. 1, 1893 | 4 " —30 " | Aug. 1, 1923 | 10,000 00 | $415,000 00 |

**Building Loan.**

| | | | | |
|---|---|---|---|---|
| May 2, 1892 | 4 per cent.—10 yrs. | May 2, 1902 | $20,000 00 | |
| Nov. 1, 1893 | 4 " —10 " | Nov. 1, 1903 | 40,000 00 | |
| Aug. 1, 1894 | 4 " —20 " | Aug. 1, 1914 | 118,000 00 | |
| Oct. 1, 1895 | 4 " —20 " | Oct. 1, 1915 | 60,000 00 | $238,000 00 |
| *Amount carried forward* . . . . . | | | | $653,000 00 |

| | |
|---|---|
| *Amount brought forward* . . . . . | $653,000 00 |

**Cambridge Cemetery Loan.**

| | | | | |
|---|---|---|---|---|
| Aug. 1, 1885 | 4 per cent.—20 yrs. | Aug. 1, 1905 | | $65,000 00 |

**City Loan.**

| | | | | |
|---|---|---|---|---|
| Aug. 1, 1894 | 4 per cent.—10 yrs. | Aug. 1, 1904 | | $52,000 00 |

**Land Loan.**

| | | | | |
|---|---|---|---|---|
| Aug. 1, 1888 | 4 per cent.—10 yrs. | Aug. 1, 1898 | | $83,000 00 |

**Park Loan.**

| | | | | |
|---|---|---|---|---|
| Feb. 1, 1894 | 4 per cent.—30 yrs. | Feb. 1, 1924 | $360,000 00 | |
| Aug. 1, 1895 | 4 " —40 " | Aug. 1, 1935 | 100,000 00 | $460,000 00 |

**Paving Loan.**

| | | | | |
|---|---|---|---|---|
| Nov. 1, 1892 | 4 per cent.—10 yrs. | Nov. 1, 1902 | | $50,000 00 |

**School-House Loan.**

| | | | | |
|---|---|---|---|---|
| May 1, 1890 | 4 per cent.—10 yrs. | May 1, 1900 | $100,000 00 | |
| Jan. 1, 1891 | 4 " —10 " | Jan. 1, 1901 | 100,000 00 | |
| July 1, 1891 | 4 " —10 " | July 1, 1901 | 60,000 00 | |
| Nov. 1, 1892 | 4 " —10 " | Nov. 1, 1902 | 20,000 00 | $280,000 00 |

| | |
|---|---|
| *Amount carried forward* . . . . . | $1,643,000 00 |

*Amount brought forward* . . . . . $1,643,000 00

### Sewer Loan.

| | | | | |
|---|---|---|---|---|
| July 1, 1876 | 6 per cent.—20 yrs. | July 1, 1896 | $29,000 00 | |
| Nov. 1, 1886 | 3½ " —10 " | Nov. 1, 1896 | 25,000 00 | |
| July 1, 1873 | 6 " —30 " | July 1, 1903 | 136,000 00 | |
| July 1, 1874 | 6 " —30 " | July 1, 1904 | 295,000 00 | |
| July 1, 1875 | 6 " —30 " | July 1, 1905 | 144,000 00 | |
| Nov. 1, 1887 | 4 " —20 " | Nov. 1, 1907 | 30,000 00 | |
| Nov. 1, 1889 | 4 " —20 " | Nov. 1, 1909 | 22,000 00 | |
| May 1, 1890 | 4 " —20 " | May 1, 1910 | 15,000 00 | |
| July 1, 1891 | 4 " —20 " | July 1, 1911 | 15,000 00 | |
| Aug. 1, 1894 | 4 " —30 " | Aug. 1, 1924 | 75,000 00 | |
| Oct. 1, 1895 | 4 " —30 " | Oct. 1, 1925 | 60,000 00 | $846,000 00 |

### Street Loan.

| | | | | |
|---|---|---|---|---|
| May 2, 1892 | 4 per cent.—10 yrs. | May 2, 1902 | $55,000 00 | |
| Aug. 1, 1894 | 4 " —20 " | Aug. 1, 1914 | 30,000 00 | |
| Oct. 1, 1895 | 4 " —20 " | Oct. 1, 1915 | 60,000 00 | $145,000 00 |

### Street Widening Loan.

| | | | | |
|---|---|---|---|---|
| Nov. 1, 1889 | 4 per cent.—10 yrs. | Nov. 1, 1899 | $8,000 00 | |
| July 1, 1873 | 6 " —30 " | July 1, 1903 | 10,000 00 | |
| July 1, 1874 | 6 " —30 " | July 1, 1904 | 90,000 00 | |
| July 1, 1875 | 6 " —30 " | July 1, 1905 | 14,000 00 | $122,000 00 |

TOTAL FUNDED CITY DEBT . . . . . $2,756,000 00

## THE FUNDED WATER DEBT.

There has been a decrease in the Funded Water Debt during the year by the payment of the following matured Loans: —

| | |
|---|---|
| Water Loan, issued April 1st, 1875, and payable April 1st, 1895, with interest at 6 per cent. per annum . . . . . | $160,000 00 |

There has been an addition to the Water Debt of the city during the year, caused by the issue of coupon bonds as follows: —

| | |
|---|---|
| Water Loan, coupon bonds dated April 1st, 1895, payable in twenty years at an annual interest of four per cent. . . . . | 200,000 00 |
| Water Loan, registered bonds dated August 1st, 1895, payable in twenty years at an annual interest of four per cent. . . . . | 200,000 00 |
| | $400,000 00 |

| | 1894. | 1895. | Increase. | Decrease. |
|---|---|---|---|---|
| Funded Water Debt | $1,975,500 00 | $2,215,500 00 | $240,000 00 | |
| Sinking Fund of Water Works . | 612,084 75 | 546,049 24 | | $66,035 51 |
| Net Funded Water Debt . . . . | $1,363,415 25 | $1,669,450 76 | $306,035 51 | |

Following is a statement of the total funded water debt of the city, with rates of interest thereon : —

| Date of Issue. | Rate of Interest. | When Due. | Amount. | Total. |
|---|---|---|---|---|
| July 1, 1876 | 6 per cent.—20 yrs. | July 1, 1896 | $103,000 00 | |
| July 1, 1877 | 6 " —20 " | July 1, 1897 | 16,000 00 | |
| July 1, 1878 | 5 " —20 " | July 1, 1898 | 12,500 00 | |
| Nov. 1, 1886 | 3½ " —20 " | Nov. 1, 1906 | 43,000 00 | |
| Oct. 1, 1887 | 4 " —20 " | Oct. 1, 1907 | 90,000 00 | |
| Nov. 1, 1887 | 4 " —20 " | Nov. 1, 1907 | 22,000 00 | |
| July 1, 1888 | 4 " —20 " | July 1, 1908 | 46,000 00 | |
| Aug. 1, 1888 | 4 " —20 " | Aug. 1, 1908 | 25,000 00 | |
| July 1, 1889 | 4 " —20 " | July 1, 1909 | 20,000 00 | |
| May 1, 1885 | 4 " —25 " | May 1, 1910 | 288,000 00 | |
| July 1, 1890 | 4 " —20 " | July 1, 1910 | 75,000 00 | |
| Sept. 1, 1890 | 4 " —20 " | Sept. 1, 1910 | 125,000 00 | |
| Jan. 1, 1891 | 4 " —20 " | Jan. 1, 1911 | 20,000 00 | |
| Apr. 1, 1886 | 3½ " —25 " | Apr. 1, 1911 | 100,000 00 | |
| July 1, 1886 | 3½ " —25 " | July 1, 1911 | 75,000 00 | |
| Oct. 1, 1891 | 4 " —20 " | Oct. 1, 1911 | 35,000 00 | |
| Jan. 1, 1892 | 4 " —20 " | Jan. 1, 1912 | 150,000 00 | |
| May 2, 1892 | 4 " —20 " | May 2, 1912 | 75,000 00 | |
| Nov. 1, 1892 | 4 " —20 " | Nov. 1, 1912 | 45,000 00 | |
| Feb. 1, 1893 | 4 " —20 " | Feb. 1, 1913 | 100,000 00 | |
| Aug. 1, 1893 | 4 " —20 " | Aug. 1, 1913 | 50,000 00 | |
| Apr. 1, 1895 | 4 " —20 " | Apr. 1, 1915 | 200,000 00 | |
| Aug. 1, 1895 | 4 " —20 " | Aug. 1, 1915 | 200,000 00 | |
| Apr. 1, 1894 | 4 " —30 " | Apr. 1, 1924 | 300,000 00 | $2,215,500 00 |

**Recapitulation.**

| | | |
|---|---|---|
| Amount of funded City Loan upon which interest is at 6 per cent. . . | $718,000 00 | |
| Amount of funded City Loan upon which interest is at 4 per cent. . . | 2,013,000 00 | |
| Amount of funded City Loan upon which interest is at 3½ per cent. . | 25,000 00 | |
| | | $2,756,000 00 |
| Amount of Water Loan upon which interest is at 6 per cent. . . . . | $119,000 00 | |
| Amount of Water Loan upon which interest is at 5 per cent. . . . . | 12,500 00 | |
| Amount of Water Loan upon which interest is at 4 per cent. . . . . | 1,866,000 00 | |
| Amount of Water Loan upon which interest is at 3½ per cent. . . . | 218,000 00 | |
| | | $2,215,500 00 |

Temporary loans for the past ten years, and interest paid upon the same : —

| Year. | Temporary Loan. | Interest paid upon the Loan. |
|---|---|---|
| 1885 | $300,000 | $13,790 52 |
| 1886 | 450,000 | 5,653 83 |
| 1887 | 555,000 | 9,222 24 |
| 1888 | 400,000 | 9,497 36 |
| 1889 | 490,000 | 5,919 54 |
| 1890 | 425,000 | 7,570 57 |
| 1891 | 465,000 | 10,796 25 |
| 1892 | 516,000 | 8,015 51 |
| 1893 | 541,850 | 11,560 32 |
| 1894 | 125,000 | 3,106 15 |
| 1895 | 550,000 | 6,194 84 |

## The Trust Funds

Assumed by the city are held by trustees, and interest is paid upon them at the rate of six per cent. annually, as follows: —

| Name of Fund. | Amount. | Interest. | |
|---|---|---|---|
| Daniel White Charity Fund | $5,000 | at 6 per cent. | $300 |
| Dowse Institute Fund | 10,000 | at 6 per cent. | 600 |
| Sanders Temperance Fund | 10,000 | at 6 per cent. | 600 |
| | $25,000 | | $1,500 |

## Cemetery Fund.

| | | |
|---|---|---|
| Amount of Fund Nov. 30th, 1894 | | $31,694 14 |
| RECEIVED. | | |
| For perpetual care of lots in Cambridge Cemetery | | 1,963 25 |
| | | $33,657 39 |
| The fund is held in trust and is invested as follows: — | | |
| City of Cambridge Bonds | $33,500 00 | |
| Cash | 17 32 | |
| Cambridgeport Savings Bank | 140 07 | |
| Amount of Fund Nov. 30th, 1895 | | $33,657 39 |

## Commissioners of Sinking Funds.

| | | |
|---|---|---|
| Amount of Funds Nov. 30th, 1894 | | $628,289 05 |
| RECEIVED. | | |
| From City Treasurer, being amount appropriated by the City Council to be derived from taxation | | $113,775 00 |
| Interest accumulations | | 14,752 48 |
| | | $756,816 53 |
| EXPENDED. | | |
| For Matured Funded City Debt | | 245,000 00 |
| Amount of Funds Nov. 30th, 1895 | | $511,816 53 |

### Trustees of Sinking Fund of Water Works.

| | |
|---|---|
| Amount of Fund Nov. 30th, 1894 . . . . . | $612,084 75 |
| RECEIVED. | |
| From City Treasurer, for amount due and appropriated by the City Council from the revenue of the Water Works . . . . . | 69,142 50 |
| Interest accumulations . . . . . | 20,603 24 |
| Unexpended revenue of Water Works . . . . | 4,218 75 |
| | $706,049 24 |
| EXPENDED. | |
| For matured Water Bonds . . . . . | 160,000 00 |
| Amount of Fund Nov. 30th, 1895 . . . . . | $546,049 24 |

### Abatements — Taxes.

No appropriation is made for abatements, as the Assessors are expected to allow in the overlay an amount sufficient to cover the same.

| | |
|---|---|
| The overlay for 1895 was . . . . . | $29,836 29 |
| The total amount of tax abatements allowed was . . | 19,427 40 |
| Balance available for city purposes . . . . | $10,408 89 |

The abatements allowed by the City Collector on certificates of the Assessors were as follows: —

| | Real. | Personal. | Polls. | Total. |
|---|---|---|---|---|
| Tax of 1891 | | $13 95 | $2 00 | $15 95 |
| " " 1892 | | 196 80 | 6 00 | 202 80 |
| " " 1893 | $36 08 | 252 56 | 12 00 | 300 64 |
| " " 1894 | 3,443 52 | 2,245 40 | 24 00 | 5,712 92 |
| " " 1895 | 5,125 02 | 7,878 06 | 142 00 | 13,145 08 |
| Street Watering | | | | 50 01 |
| | $8,604 62 | $10,586 77 | $186 00 | $19,427 40 |

## TAXES.

The amount of taxes assessed by the Board of Assessors on the real and personal estates and polls of Cambridge, for the year 1895, was as follows: —

| | |
|---|---|
| Valuation of real estate | $64,303,700 00 |
| Valuation of personal estate | 16,607,360 00 |
| | $80,911,060 00 |
| Assessed at $15.70 per $1000 gives | $1,270,303 64 |
| 22,781 polls at $2 | 45,562 00 |
| Bank stock (non-resident separately assessed) | 6,825 42 |
| | $1,322,691 06 |

This tax is divided as follows: —

| | |
|---|---|
| For city purposes*. | $1,103,455 30 |
| County assessments | 73,887 84 |
| Overlay | 29,836 29 |
| State assessments | 46,800 00 |
| State charge for non-resident bank stock | 6,825 42 |
| Metropolitan Sewer Tax | 61,886 21 |
| | $1,322,691 06 |

Increase in number of polls since last year: —

| | |
|---|---|
| 609 polls at $2.00 | $1,218 00 |
| Increase in real estate valuation | 3,426,400 00 |
| Decrease in personal valuation | 50,960 00 |
| Gain in valuation since last year | $3,375,440 00 |
| Number of houses in 1895 | 12,305 |
| Number of houses in 1894 | 12,262 |
| Number of houses built during the past year | 43 |
| Number of horses assessed | 4,711 |
| Number of cows assessed | 561 |
| Number of swine assessed | 88 |

* To meet the city expenses the income from various departments is added to this sum raised by taxation.

## Polls and Valuation of Polls and Estates, May 1, 1893.

| Wards. | Polls. | Valuation of Polls. | Personal. | Real Estate. | Total, Real and Personal. | Dwellings. | Total Tax. |
|---|---|---|---|---|---|---|---|
| One..... | 3,691 | $7,382 00 | $6,512,745 | $15,358,100 | $21,870,845 | 2,333 | $366,063 86 |
| Two ..... | 6,667 | 13,334 00 | 4,434,720 | 13,975,100 | 18,409,820 | 3,089 | 315,255 05 |
| Three..... | 3,867 | 7,734 00 | 1,953,124 | 8,898,100 | 10,851,224 | 1,601 | 185,694 07 |
| Four..... | 5,542 | 11,084 00 | 2,866,800 | 11,904,900 | 14,771,700 | 2,983 | 253,339 88 |
| Five ..... | 2,722 | 5,444 00 | 1,732,800 | 8,645,300 | 10,378,100 | 1,762 | 175,644 84 |
| Total... | 22,489 | $44,978 00 | $17,500,189 | $58,781,500 | $76,281,689 | 11,768 | $1,295,997 70 |

## Polls and Valuation of Polls and Estates, May 1, 1894.

| Wards. | Polls. | Valuation of Polls. | Personal. | Real Estate. | Total, Real and Personal. | Dwellings. | Total Tax. |
|---|---|---|---|---|---|---|---|
| One..... | 3,713 | $7,426 00 | $6,801,940 | $16,371,000 | $23,172,940 | 2,396 | $373,558 45 |
| Two ..... | 6,477 | 12,954 00 | 3,764,845 | 14,221,800 | 17,986,645 | 3,186 | 297,142 99 |
| Three..... | 3,738 | 7,476 00 | 1,864,135 | 9,026,200 | 10,890,335 | 1,606 | 179,543 29 |
| Four..... | 5,507 | 11,014 00 | 2,506,800 | 12,034,300 | 14,541,100 | 3,016 | 240,763 38 |
| Five ..... | 2,737 | 5,474 00 | 1,720,600 | 9,224,000 | 10,944,600 | 2,058 | 178,398 68 |
| Total... | 22,172 | $44,344 00 | $16,658,320 | $60,877 300 | $77,535,620 | 12,262 | $1,269,406 79 |

## Polls and Valuation of Polls and Estates, May 1, 1895.

| Wards. | Polls. | Valuation of Polls. | Personal. | Real Estate. | Total, Real and Personal. | Dwellings. | Total Tax. |
|---|---|---|---|---|---|---|---|
| One..... | 3,846 | $7,692 00 | $6,326,020 | $17,214,500 | $23,540,520 | 2,417 | $377,278 16 |
| Two ..... | 6,701 | 13,402 00 | 3,973,565 | 14,736,600 | 18,710,165 | 3,209 | 307,151 59 |
| Three..... | 3,762 | 7,524 00 | 1,910,375 | 9,145,800 | 11,056,175 | 1,629 | 181,105 94 |
| Four..... | 5,557 | 11,114 00 | 2,490,900 | 13,571,400 | 16,062,300 | 3,083 | 263,292 11 |
| Five ..... | 2,915 | 5,830 00 | 1,906,500 | 9,635,400 | 11,541,900 | 1,967 | 187,037 83 |
| Total... | 22,781 | $45,562 00 | $16,607,360 | $64,303,700 | $80,911,060 | 12,305 | $1,315,865 64 |

The valuations of estates in this city, for the years hereinbefore mentioned, are the same as originally made by the Board of Assessors, during those years, and the same figures were reported by that board to the Tax Commissioners for each of the years respectively. These valuations were subject to changes in each year, after such report was made, as shown by the following:

Net valuations of estates in the City of Cambridge for the past three years, after adding the amounts of all supplementary warrants and deducting therefrom all abatements: —

| Year. | Total Valuation. | Abatements. | Net Valuation. |
|---|---|---|---|
| 1893 | $76,327,789 | $1,055,376 | $75,272,413 |
| 1894 | 77,680,920 | 1,574,166 | 76,106,754 |
| 1895 | 80,995,260 | 828,221 | 80,167,039 |
| | $235,003,969 | $3,457,763 | $231,546,206 |

**Borrowing Capacity.**

| | |
|---|---|
| Average net valuation for 1893, 1894, and 1895 . . . . . | $77,182,068 |

This last sum represents the amount upon which the limit of the rate of taxation, and also of municipal indebtedness is fixed under the provisions of Chapter 312 of the Acts of the year 1885.

| | |
|---|---|
| 2½ per cent. on same . . . . . | $1,929,551 70 |
| Net funded City Debt Dec. 1st, 1895 . | 1,449,710 61 |
| Borrowing capacity Dec. 1st, 1895, for City Purposes . . . . . | $479,841 09 |
| Borrowing capacity Dec. 1st, 1895, for Park Purposes . . . . . | $240,000 00 |

"ACTS OF 1885, CHAPTER 312.

"AN ACT TO LIMIT MUNICIPAL DEBT OF AND THE RATE OF TAXATION IN CITIES.

"Be it enacted, etc., as follows: —

"SECTION 1. The taxes assessed on property in any city, except the city of Boston, exclusive of state tax, county tax and sums required by law to be raised on account of the city debt, shall not exceed in any year twelve dollars on every one thousand dollars of the average of the assessors' valuations of the taxable property therein for the preceding three years, the valuation being first reduced by the amount of all abatements allowed thereon, previous to the thirty-first day of December in the year preceding said assessment, and any order or appropriation requiring a larger assessment than is herein limited shall be void.

"SECTION 2. The limit of indebtedness of cities shall hereafter be two and one-half per cent. on the average valuation prescribed in Section one of this act."

TAX LEVY.

| | |
|---|---|
| Average net valuation for 1893, 1894, and 1895 . . | $77,182,068 |
| | 12 |
| | 154364136 |
| | 77182068 |
| Assessed at $12 per $1,000 gives . . . . . | $926,184,816 |

Which is the legal limit of taxation for municipal purposes for 1896, outside of the Sinking Fund requirements, Interest on the Debt and State and County Tax, unless advantage is taken of the following Legislative Act of 1893: —

"ACTS OF 1893, CHAPTER 247.

"AN ACT AUTHORIZING ASSESSORS IN CITIES OF LESS THAN ONE HUNDRED THOUSAND INHABITANTS TO USE THE VALUATION OF THE YEAR PRECEDING AS A BASIS OF TAXATION.

"Be it enacted, etc., as follows: —

"SECTION 1. In every city containing less than one hundred thousand inhabitants the taxes assessed on property, exclusive of

State Tax, County Tax and sums required by law to be raised on account of City Debt, shall not exceed in any year twelve dollars on every one thousand dollars of the assessors' valuation of the taxable property, therein for the preceding year, said valuation being first reduced by the amount of all abatements allowed thereon previous to the thirty-first day of December in the year preceding said assessment, and any order or appropriation requiring a larger assessment than is herein limited shall be void; but, the city council of any city coming within the provisions of this Act, may, in any year, decide that the taxes assessed shall be raised in accordance with the provisions of section one of chapter three hundred and twelve, of the Acts of the year eighteen hundred and eighty-five."

| | |
|---|---|
| In which case the net valuation for 1895 being . . | $80,167,039 |
| | 12 |
| | 160334078 |
| | 80167039 |
| Assessed at $12 per $1,000, gives . . . . . | $962,004,468 |
| Average valuation for 1893, 1894, and 1895 . . . | 926,184,816 |
| Increase in amount which can be raised by new Act . | $35,819,652 |

Statement of the valuations of the personal property and real estate of the City of Cambridge, with the number of polls, dwellings, and rate of taxation for the past ten years : —

| Year. | Polls. | Personal. | Real Estate. | Total. | Dwellings. | Rate per $1,000 |
|---|---|---|---|---|---|---|
| 1886 | 16,534½ | $14,490,470 | $44,955,200 | $59,445,570 | 9,398 | $15 00 |
| 1887 | 17,139¼ | 13,358,910 | 46,344,700 | 59,703,610 | 9,761 | 16 00 |
| 1888 | 18,086¾ | 14,296,740 | 48,420,600 | 62,717,340 | 9,927 | 15 00 |
| 1889 | 18,307½ | 14,960,100 | 50,324,175 | 65,284,275 | 10,222 | 16 00 |
| 1890 | 19,221¾ | 15,339,925 | 52,235,000 | 67,574,925 | 10,615 | 15 60 |
| 1891 | 20,731¼ | 16,508,770 | 54,167,914 | 70,676,684 | 10,932 | 15 50 |
| 1892 | 22,013¼ | 17,687,595 | 56,668,100 | 74,355,695 | 11,359 | 16 00 |
| 1893 | 22,752 | 17,511,089 | 58,782,900 | 76,293,989 | 11,768 | 16 40 |
| 1894 | 22,172 | 16,658,320 | 60,877,300 | 77,535,620 | 12,262 | 15 80 |
| 1895 | 22,781 | 16,607,360 | 64,303,700 | 80,911,060 | 12,305 | 15 70 |

Abatements and discounts upon taxes for the past ten years, and amount of tax uncollected December 1, 1895 : —

| Year. | Total Tax. | Total Abatement. | Total Discounts. | Amount of Tax uncollected Dec. 1, 1895. |
|---|---|---|---|---|
| 1886 | $930,228 50 | $17,497 00 | $32,532 57 | |
| 1887 | 995,964 90 | 15,443 74 | 26,054 53 | |
| 1888 | 982,829 50 | 21,667 20 | 25,366 53 | |
| 1889 | 1,088,374 60 | 20,982 71 | 28,081 09 | |
| 1890 | 1,099,741 38 | 20,966 82 | 28,012 44 | |
| 1891 | 1,143,712 67 | 21,343 12 | | $11,869 65 |
| 1892 | 1,240,186 50 | 21,636 54 | | 14,381 60 |
| 1893 | 1,303,639 84 | 24,678 10 | | 18,112 96 |
| 1894 | 1,278,899 72 | 26,926 07 | | 21,327 72 |
| 1895 | 1,324,613 76 | 19,427 40 | | 201,628 20 |

## Balance Sheet of the City of Cambridge, December 1, 1895, Showing Assets and Liabilities.

| | Assets. | Liabilities. |
|---|---|---|
| Cemetery Fund | $33,657 39 | |
| City Debt (Contingent) | | $200,000 00 |
| City of Cambridge (City Property) | 3,552,188 88 | |
| City Treasury (Cash) | 268,516 87 | |
| Daniel White Charity (Trust Fund) | | 5,000 00 |
| Dowse Institute Fund (Trust Fund) | | 10,000 00 |
| Funded City Debt | | 2,756,000 00 |
| Funded Water Debt | | 2,215,500 00 |
| Sanders Temperance Fund (Trust Fund) | | 10,000 00 |
| Sinking Funds | 511,816 53 | |
| Sinking Fund of Water Works | 546,049 24 | |
| Taxes due the City | 267,320 13 | |
| Tax Liens | 17,470 37 | |
| Tax Sale "Surplus" | | 519 41 |
| | $5,197,019 41 | $5,197,019 41 |

The following table represents the unestimated revenue appropriated during the year in addition to the annual appropriations: —

| | | |
|---|---|---|
| For Incidental Expenses . . | | $23,083 30 |
| Public property: — | | |
| New High School House | $1,275 00 | |
| Sanitary Arrangements . | 5,000 00 | |
| Shooting range . . . | 3,200 00 | |
| | | 9,475 00 |
| Street Department: — | | |
| Paving, Edgestones and Sidewalks . . . . | $4,967 62 | |
| Paving Gore Street . . | 2,000 00 | |
| Maintenance . . . . | 1,637 72 | |
| Resurfacing Columbia, Third and Kirkland Streets . . . . . | 19,500 00 | |
| | | 28,105 34 |
| Water Works: — | | |
| Maintenance . . . . | $397 59 | |
| Stony Brook Reservoir . | 78 52 | |
| Rates, Fines, etc., Abatements . . . . . | 1,000 00 | |
| Rates, Fines, etc., Refunds . . . . . | 525 60 | |
| Sinking Funds . . . . | 4,218 75 | |
| Supplies . . . . . | 505 02 | |
| | | 6,725 48 |
| | | $67,389 12 |

After the annual appropriations had been made, the following appropriations were made and provided for by the creation of a City Debt, viz. : —

| | | |
|---|---|---|
| For Construction of Public Buildings : — | | |
| Engine House, Ward Two | $3,000 00 | |
| Engine House, Ward Five | 23,000 00 | |
| School House, Ward One | 35,000 00 | |
| School House, Ward Three . . . . . | 1,300 00 | |
| | | $62,300 00 |
| Construction of Sewers : — | | |
| Massachusetts Avenue Storm Relief . . . | $18,000 00 | |
| McDonald Street . . . | 3,300 00 | |
| Sundry Sewers . . . | 23,040 00 | |
| | | 44,340 00 |
| Construction of Streets : — | | |
| Charles and Vine Streets | $3,494 00 | |
| McDonald Street . . . | 15,914 50 | |
| Seventh Street . . . | 1,075 00 | |
| | | 20,483 50 |
| Land Damages, for widening and extension of the following Streets : — | | |
| Charles and Vine Streets | $13,362 71 | |
| Main Street . . . . | 1,615 00 | |
| McDonald Street . . . | 5,085 50 | |
| Seventh Street . . . | 10,098 45 | |
| | | 30,161 66 |
| | | $157,285 16 |

## Transfers.

The following transfers were made from the appropriations mentioned, to make up deficiencies occurring in the appropriations to which transfers were made, viz. : —

| From the Appropriation for | Amounts. | To the Appropriation for | Amounts. |
|---|---|---|---|
| Ambulance | $250 00 | Incidental Expenses | $250 00 |
| Incidental Expenses | 18,608 47 | Ambulance | 119 15 |
| | | Assessors | 300 00 |
| | | Clerk of Committees | 108 47 |
| | | Election Expenses : — | |
| | | City Clerk | 92 63 |
| | | Superintendent of Buildings | 131 15 |
| | | Engineering | 2,800 00 |
| | | Fire Department | 3,672 00 |
| | | Law Department | 170 45 |
| | | Inspection of Wires | 400 00 |
| | | Farm and Ledge | 890 88 |
| | | House Offal | 900 54 |
| | | Outside Aid | 1,583 92 |
| | | Plumbers' Examiners | 53 81 |
| | | P. P. City Buildings | 519 08 |
| | | P. P. Incidentals | 77 86 |
| | | School Department : — | |
| | | Board of Truants | 806 90 |
| | | Salaries | 2,916 12 |
| | | Text Books, etc | 1,465 02 |
| | | Sewers, Maintenance | 307 35 |
| | | Stationery and Printing | 43 14 |
| | | Street Department : — | |
| | | Collection of Ashes | 1,250 00 |
| Interest | 588 62 | School Department : — | |
| | | Board of Truants | 588 62 |
| House Offal | 400 00 | Farm and Ledge | 400 00 |
| Police Department | 200 00 | Incidentals | 200 00 |
| School Department : — | | School Department : — | |
| T. B. & S. | 250 00 | Incidentals | 250 00 |
| Street Department : — | | Street Department : — | |
| Bridges | 175 00 | Maintenance | 175 00 |
| | $20,472 09 | | $20,472 09 |

# APPROPRIATIONS AND EXPENDITURES.

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The Amount of the Several Appropriations made by the City Council during the Year — The Transfers from One Appropriation to Another — The Expenditures in Detail under each Appropriation, and the Unexpended Balances, Nov. 30, 1895.

## Ambulance Department.

| | | | |
|---|---|---|---|
| Appropriation | | | $2,400 00 |
| Transferred to Incidental Expenses | | | 250 00 |
| | | | $2,150 00 |
| Transferred from Incidental Expenses | | | 119 15 |
| | | | $2,269 15 |

RECEIVED.

| | | |
|---|---|---|
| For Fees from sundry persons | $274 00 | |

EXPENDED.

| | | | |
|---|---|---|---|
| For Salaries of | | | |
| Warren H. Dow | $591 14 | | |
| Geo. E. Sherman | 591 14 | | |
| Jos. G. Sinclair | 49 71 | | |
| | | $1,231 99 | |
| Ambulance Fittings, Charles Waugh & Co. | | 30 45 | |
| Board of Horse, Storage and use of Telephone, Whiting and Smith | | 459 92 | |
| Furniture and Bedding: — | | | |
| Phillips Bros. & Co. | $15 00 | | |
| Dana W. Hyde & Co. | 31 18 | | |
| Jordan, Marsh & Co. | 7 20 | | |
| | | 53 38 | |
| Hardware and Supplies: — | | | |
| A. M. Robbins | $8 38 | | |
| F. A. White | 1 95 | | |
| D. W. Hyde & Co. | 3 62 | | |
| | | 13 95 | |
| Harness and Repairs: — | | | |
| Hall Bros. | $3 25 | | |
| Wm. H. Roberts | 3 75 | | |
| Charles Waugh & Co. | 8 00 | | |
| Whiting & Smith | 13 75 | | |
| M. Cavanagh | 1 50 | | |
| | | 30 25 | |
| Horse, P. H. Dardis | | 200 00 | |
| Horse hire, Whiting & Smith | | 2 00 | |
| *Amounts carried forward* | | $2,021 94 | $2,269 15 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $2,021 94 | $2,269 15 |
| For Horse-shoeing, Thomas Smith . . . . . | | 24 00 | |
| Insurance, W. B. Hastings & Co. . . . . | | 12 77 | |
| Medicines, Instruments, etc. : — | | | |
| Cambridge Hospital . . | $2 50 | | |
| Codman & Shurtleff . . | 15 93 | | |
| Reycroft's Pharmacy . . | 24 40 | | |
| | | 42 83 | |
| Stationery and Printing : — | | | |
| Amee Bros. . . . . | $ 30 | | |
| Cotton & Gould . . . | 18 00 | | |
| Harvard Printing Co. . | 15 75 | | |
| | | 34 05 | |
| Telephone rent, Overseers of the Poor . . . . . | | 45 85 | |
| Wagon repairs : — | | | |
| Chapman Carriage Co. . | $2 00 | | |
| Chas. Waugh & Co. . . | 65 40 | | |
| | | 67 40 | |
| Washing, Mrs. W. H. Dow | | 20 31 | |
| Total . . . . . | | | $2,269 15 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Salaries of Drivers . . | $1,231 99 |
| Ambulance Fittings and Repairs . . . . . | 97 85 |
| Board of Horse and use of Telephone . . . . . | 505 77 |
| Furniture and Bedding . . | 53 38 |
| Hardware and Supplies . . | 13 95 |
| Harness and repairs . . . | 30 25 |
| Horse . . . . . | 200 00 |
| Horse hire and Shoeing . . | 26 00 |
| Insurance . . . . . | 12 77 |
| Medicines, etc. . . . . | 42 83 |
| Stationery and Printing . . | 34 05 |
| Washing . . . . . | 20 31 |
| | $2,269 15 |

## Assessors' Department.

| | | | |
|---|---|---|---|
| Appropriation | | | $12,500 00 |
| Additional Appropriation | | | 300 00 |
| | | | $12,800 00 |

EXPENDED.

| | | | |
|---|---|---|---|
| For Salaries of Assessors: — | | | |
| Joshua G. Gooch | $2,000 00 | | |
| Andrew J. Green | 2,000 00 | | |
| Samuel L. Montague | 2,000 00 | | |
| Assistant Assessors: — | | | |
| John M. Davis | 292 00 | | |
| Edwin K. Hall | 288 00 | | |
| Warren Ivers | 288 00 | | |
| G. D. Wellington | 316 00 | | |
| D. B. Shaughnessy | 200 00 | | |
| Clerks: — | | | |
| Carrie A. Estes | 720 00 | | |
| Helen P. Hooker | 720 00 | | |
| Ida G. Wellington | 720 00 | | |
| Temporary Clerks | 1,972 10 | | |
| | | $11,516 10 | |
| Advertising, James Cox | | 10 83 | |
| Abstracts, Byron Boyd | | 23 00 | |
| Book-Rests, Rourke & Kennedy | | 30 00 | |
| Car tickets, W. E. Street Railway Co. | | 40 00 | |
| Directories | | 8 00 | |
| Expressage | | 90 | |
| Examination of Titles, Kern & McLoud | | 20 00 | |
| Subscription, *Banker and Tradesman* | | 5 00 | |
| Stationery and Printing: — | | | |
| Cambridge Chronicle Co. | $2 50 | | |
| Corbett & Green | 698 50 | | |
| Corbett Printing Co. | 22 00 | | |
| Cotton & Gould | 134 17 | | |
| *Amounts carried forward* | $857 17 | $11,653 83 | $12,800 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $857 17 | $11,653 83 | $12,800 00 |
| For Stationery and Printing: — | | | |
| James H. Cox . . . . | 9 50 | | |
| Perry Green . . . . | 2 50 | | |
| Frost & Adams . . . | 6 08 | | |
| E. W. S. Jones . . . | 118 25 | | |
| Harvard Printing Co. . | 32 25 | | |
| Henry W. Meek . . . | 8 50 | | |
| Stationery Dept. . . . | 89 17 | | |
| E. W. Wheeler . . . | 5 75 | | |
| | | 1,129 17 | |
| Tape Measure, F. A. White | | 1 50 | |
| Traveling expenses, Samuel L. Montague . . . . | | 12 90 | |
| Total . . . . . | | | 12,797 40 |
| Balance unexpended . . | | | $2 60 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Salaries of Assessors . . | $6,000 00 |
| Services of Assistant Assessors . . . . . | 1,384 00 |
| Clerical Assistance . . . | 4,132 10 |
| Abstracts . . . . . | 23 00 |
| Advertising . . . . . | 10 83 |
| Book-rests . . . . . | 30 00 |
| Car tickets . . . . . | 40 00 |
| Directories . . . . . | 8 00 |
| Examination of Titles . . | 20 00 |
| Expressage . . . . . | 90 |
| Stationery and Printing . | 1,129 17 |
| Subscription . . . . . | 5 00 |
| Tape Measure . . . . | 1 50 |
| Traveling Expenses . . . | 12 90 |
| | $12,797 40 |

## Auditing Department.

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $3,600 00 |
| EXPENDED. | | | |
| For Salaries of | | | |
| Auditor, Harry T. Upham . | $2,100 00 | | |
| Clerk, Esther L. Cogan . . | 782 50 | | |
| Temporary Clerks . . . | 187 39 | | |
| | | $3,069 89 | |
| Directory, E. F. Hunt & Co. | | 3 00 | |
| Furniture : — | | | |
| Rourke & Kennedy . . | $25 00 | | |
| Phillips Bros. . . . . | 8 50 | | |
| | | 33 50 | |
| Recording Assignment, City Clerk . . . . . | | 1 25 | |
| Repairing motor . . . . | | 1 00 | |
| Stamps, etc. . . . . | | 6 75 | |
| Stationery and Printing : — | | | |
| F. L. Beunke . . . . | $2 50 | | |
| Cotton & Gould . . . | 8 50 | | |
| James H. Cox . . . . | 73 00 | | |
| Harvard Printing Co. . | 1 25 | | |
| J. H. H. McNamee . . | 3 50 | | |
| Geo. H. Richter & Co. . | 5 00 | | |
| Stationery Dept. . . . | 82 89 | | |
| John Wilson & Son . . | 60 00 | | |
| | | 236 64 | |
| Total . . . . . | | | 3,352 03 |
| Balance unexpended . . | | | $247 97 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Salary of Auditor . . . | $2,100 00 |
| Clerical Assistance . . . | 969 89 |
| Furniture and Furnishings | 34 50 |
| Stationery, Printing and Supplies . . . . . | 247 64 |
| | $3,352 03 |

## Bridge Department.

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $12,500 00 |
| RECEIVED. | | | |
| For Rents, Wharfage, etc. . . . . | | $1,051 85 | |
| EXPENDED. | | | |
| For Salaries of | | | |
| Bridge Commissioner and Harbor Master, Wm. J. Marvin . . . . . | $800 00 | | |
| Clerk, Chas. S. Parsons . | 250 00 | | |
| Motormen . . . . . | 800 00 | | |
| Draw-tenders and Assistants . . . . . | 3,103 95 | | |
| | | $4,953 95 | |
| Advertising . . . . . | | 17 87 | |
| Carpentry, Josiah Shaw . | | 1,034 32 | |
| Cash for sundries: — | | | |
| M. F. Corkery . . . . | $207 46 | | |
| J. A. Gorman . . . | 3 51 | | |
| Chas. S. Parsons . . . | 60 55 | | |
| A. W. Smith . . . . | 156 57 | | |
| N. E. Story . . . . | 37 74 | | |
| | | 465 83 | |
| Current for Harvard Bridge Draw, Cambridge Electric Light Co. . . . | | 150 00 | |
| Fuel, Geo. M. Winslow & Co. | | 235 40 | |
| Furniture, A. McArthur & Co. | | 7 75 | |
| Globes, McKenney & Waterbury . . . . . | | 50 50 | |
| Ice: — | | | |
| Boston Ice Co. . . . | $6 00 | | |
| Independent Ice Co. . . | 2 50 | | |
| | | 8 50 | |
| Iron Work, Miller & Shaw | | 363 85 | |
| Labor and Materials, Cambridge Water Works . . | | 4 75 | |
| *Amounts carried forward* . | | $7,292 72 | $12,500 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $7,292 72 | $12,500 00 |
| For Lights :— | | | |
| Boston Electric Light Co. | $604 20 | | |
| Cambridge Electric Light Co. . . . . | 1,345 04 | | |
| | | 1,949 06 | |
| Lumber : — | | | |
| John S. Clary . . . . | $294 40 | | |
| Geo. W. Gale Lumber Co. | 1,337 78 | | |
| E. B. James & Co. . . | 186 81 | | |
| Geo. McQuesten & Co. | 91 40 | | |
| L. A. Roby & Son . . | 90 00 | | |
| E. D. Sawyer & Co. . . | 66 15 | | |
| John M. Woods & Co. | 1 95 | | |
| Wm. H. Wood & Co. . | 51 16 | | |
| | | 2,119 65 | |
| Oils, paints, etc. : — | | | |
| Leonard & Ellis . . . | $4 75 | | |
| Merrill, Dexter & Co. . | 4 57 | | |
| Standard Oil Co. . . . | 4 25 | | |
| | | 13 57 | |
| Paving : — | | | |
| Austin Ford & Son . . | $288 68 | | |
| H. T. Soper . . . . | 7 00 | | |
| | | 295 68 | |
| Plumbing : — | | | |
| Edw. Moore & Co. . . | $4 03 | | |
| Jas. A. Reid . . . . | 6 78 | | |
| | | 10 81 | |
| Repairing defective pipe, City of Boston . . . | | 9 84 | |
| Repairing Fender Guard, Com. of Mass. . . . | | 2 81 | |
| Replanking Harvard Bridge, Wm. L. Miller . | | 273 00 | |
| Repairing Roof, John J. Blevins . . . . . | | 5 48 | |
| Sand and Gravel, Chas. Linehan . . . . . | | 1 50 | |
| Stationery and Printing . | | 43 19 | |
| *Amounts carried forward* . | | $12,017 31 | $12,500 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $12,017 31 | $12,500 00 |
| For Salt, Chas. L. Davenport | | 5 20 | |
| Teaming: — | | | |
| Chas. Linehan . . . | $184 00 | | |
| Chas. McMahon . . . | 55 50 | | |
| | | 239 50 | |
| Tools, Hardware and Supplies: — | | | |
| Dodge, Haley & Co. . . | $102 44 | | |
| J. M. Price & Son . . | 34 45 | | |
| Whittier Hardware Co. . | 19 05 | | |
| Sundry persons . . . | 17 40 | | |
| | | 173 34 | |
| Typewriting, F. T. Groll . | | 5 18 | |
| Water Rates, City of Boston | | 32 50 | |
| Total . . . . . | | | 12,473 03 |
| Balance unexpended . . | | | $26 97 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Salary of Commissioner. | $800 00 |
| Clerk . . . . . | 250 00 |
| Services of Draw-tenders, etc. . . . . | 4,309 23 |
| Car-fares and Messengers . | 60 55 |
| Current for Drawbridge . | 150 00 |
| Fuel . . . . . | 235 40 |
| Lighting . . . . . | 1,949 06 |
| Repairs . . . . . | 4,135 26 |
| Stationery and Printing . | 66 24 |
| Teaming . . . . . | 239 50 |
| Tools, Hardware and Supplies . . . . . | 245 29 |
| Water rates . . . . . | 32 50 |
| | $12,473 03 |

## Cemetery Department.

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $17,000 00 |
| RECEIVED. | | | |
| For Brick and Slate Graves . | | $412 92 | |
| Burials . . . . . | | 4,872 00 | |
| Care of Lots . . . . . | | 3,211 31 | |
| Foundations . . . . . | | 1,102 14 | |
| Grading and Sodding . . | | 256 90 | |
| Interest on Cemetery Fund | | 1,199 32 | |
| Myrtle Graves . . . . | | 42 00 | |
| Rent . . . . . | | 183 37 | |
| Sales . . . . . | | 5,956 13 | |
| Sundries . . . . . | | 152 47 | |
| | | $17,388 56 | |
| EXPENDED. | | | |
| For Salaries of | | | |
| Supt., Chas. S. Childs . . | $1,300 00 | | |
| Asst. Supt., Henry C. Hobbs | 957 75 | | |
| Book-keeper, J. Watson Taylor . . . . . | 1,095 00 | | |
| Clerk, Edward J. Brandon . | 100 00 | | |
| Laborers . . . . . | 10,990 75 | | |
| | | $14,443 50 | |
| Bricks, M. W. Sands . . | | 13 00 | |
| Brooms, Stephen Adams . | | 5 00 | |
| Carriage hire : — | | | |
| J. Callahan . . . . . | $10 00 | | |
| J. E. Fabyan . . . . | 10 00 | | |
| Lake & Moynahan . . | 3 00 | | |
| Joseph Le Favre . . . | 10 00 | | |
| Whiting & Smith . . . | 10 00 | | |
| | | 43 00 | |
| Car tickets, W. E. St. Railway Co. . . . . | | 20 00 | |
| Case, J. Q. A. Cate . . . | | 4 80 | |
| Directory, W. A. Greenough & Co. . . . . | | 5 00 | |
| *Amounts carried forward* . | | $14,534 30 | $17,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $14,534 30 | $17,000 00 |
| For Expressage, Hatch & Co. | | 1 60 | |
| Fuel, Coleman Bros. . . | | 37 50 | |
| Grain : — | | | |
| Joseph Hall . . . . | $67 73 | | |
| E. R. Luke & Co. . . | 40 73 | | |
| | | 108 46 | |
| Grave boxes : — | | | |
| H. H. Matthews . . . | $166 00 | | |
| W. L. Lockhart & Co. . | 7 00 | | |
| | | 173 00 | |
| Hardware, Tools :— | | | |
| Burditt & Bynner . . . | $112 67 | | |
| American Lawn - Mower Sharpener Co. . . . . | 9 50 | | |
| | | 122 17 | |
| Harness, J. F. Nolan . . | | 20 75 | |
| Heating Apparatus and Repairs, D. J. Wild & Co. . | | 18 80 | |
| Horse-shoeing, Wm. Balmer | | 35 50 | |
| Hose, etc., D. J. Wild & Co. | | 21 18 | |
| Ladder, C. W. H. Moulton & Co. . . . . | | 12 00 | |
| Lumber, cement, Geo. W. Gale Lumber Co. . . . | | 94 37 | |
| Labor and materials, Water Works . . . . . | | 45 04 | |
| Manure, Joseph Finnick . | | 171 75 | |
| Painting : — | | | |
| J. L. P. Ackers . . . | $50 80 | | |
| J. H. & J. P. Thayer & Co. . . . . | 24 00 | | |
| | | 74 80 | |
| Postage, Chas. S. Childs . | | 27 50 | |
| Posts, Wight & Scorgie . | | 95 00 | |
| Repairing cart, A. J. Jones | | 12 38 | |
| Repairing gates, Morss & Whyte . . . . . | | 25 60 | |
| *Amounts carried forward* . | | $15,631 70 | $17,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $15,631 70 | $17,000 00 |
| For Repairing tools: — | | | |
| Chapman Carriage Co. . | $35 64 | | |
| Wight & Scorgie . . . | 38 36 | | |
| D. J. Wild & Co. . . . | 56 80 | | |
| | | 130 80 | |
| Scrapings, Street Dept. . | | 11 10 | |
| Sprinkling, Street Dept. . | | 45 00 | |
| Stationery and Printing: — | | | |
| Cotton & Gould . . . | $20 38 | | |
| Harvard Printing Co. . | 22 50 | | |
| Cashman, O'Connor & Co. | 7 26 | | |
| Chas. H. Thurston . . | 80 | | |
| Amee Bros. . . . . | 4 35 | | |
| J. Frank Facey . . . | 21 00 | | |
| Lombard & Caustic . . | 26 00 | | |
| | | 102 29 | |
| Stone, John Doody . . . | | 113 11 | |
| Tablets, Grave Stones: — | | | |
| Baldwin, Robbins & Co. | $9 00 | | |
| Alex. McDonald & Son . | 206 50 | | |
| Jos. W. Grigg . . . . | 119 66 | | |
| John J. Horgan . . . | 49 25 | | |
| | | 384 41 | |
| Trees, Plants, Seeds: — | | | |
| Jos. Breck & Sons . . | $16 38 | | |
| James Gray . . . . | 241 66 | | |
| H. P. Jenkins . . . . | 16 00 | | |
| Jacob W. Manning . . | 64 10 | | |
| Richard Gallivan . . . | 72 00 | | |
| P. O'Brien & Son . . | 2 00 | | |
| | | 412 14 | |
| Teaming, John Doody . . | | 86 50 | |
| Tel. Rent and Tolls, N. E. Tel. Co. . . . . | | 79 35 | |
| Whitewashing, J. Delaney . | | 3 00 | |
| Total . . . . . | | | 16,999 40 |
| Balance unexpended . . | | | $ 60 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Salaries | $3,452 75 |
| Labor | 10,990 75 |
| Carriage hire and car tickets | 63 00 |
| Expressage | 1 60 |
| Fuel | 37 50 |
| Hardware, tools, etc. | 365 73 |
| Lumber, lime and cement | 94 37 |
| Manure | 182 85 |
| Repairs | 77 80 |
| Slate grave boxes | 173 00 |
| Sprinkling roadways | 45 00 |
| Stable | 164 71 |
| Stationery, printing, etc. | 134 79 |
| Stone post, etc. | 208 11 |
| Tablets, grave stones | 384 41 |
| Teaming | 86 50 |
| Telephone rent | 79 35 |
| Trees, plants, etc. | 412 14 |
| Water supply | 45 04 |
| | $16,999 40 |

## City Clerk's Department.

| | | | |
|---|---|---|---|
| Appropriation | | | $6,450 00 |
| RECEIVED. | | | |
| Fees from sundry persons | | $2,343 55 | |
| EXPENDED. | | | |
| For Salaries of | | | |
| City Clerk, W. W. Pike | $2,500 00 | | |
| City Clerk, Edw. J. Brandon | 416 66 | | |
| Asst. City Clerk, Edw. J. Brandon | 1,205 49 | | |
| Asst. City Clerk, Albert M. Pear | 23 04 | | |
| | | $4,145 19 | |
| *Amounts carried forward* | | $4,145 19 | $6,450 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $4,145 19 | $6,450 00 |
| For Clerical Assistance :— | | | |
| Cora A. Belcher . . . | $35 10 | | |
| Anne Jacobs . . . . | 30 00 | | |
| Sarah S. Jacobs . . . | 226 70 | | |
| A. & S. S. Jacobs . . | 250 00 | | |
| Eliz. A. McGinnis . . | 1 25 | | |
| Amanda Richardson . . | 473 50 | | |
| | | 1,016 55 | |
| Advertising, Cambridge Chronicle Co. . . . . | | 3 36 | |
| Badges, etc., Burditt & Bynner . . . . . | | 31 20 | |
| Binding, J. H. H. McNamee | | 9 25 | |
| Book, Consolidated Law Book Co. . . . . | | 2 00 | |
| Boxes :— | | | |
| Charles Place . . . . | $4 80 | | |
| W. H. Norris . . . . | 2 50 | | |
| | | 7 30 | |
| Canvassing for births :— | | | |
| John M. Davis . . . | $61 50 | | |
| M. F. Ellis . . . . | 46 50 | | |
| Warren Ivers . . . . | 54 00 | | |
| Jas. E. Lennon . . . | 63 00 | | |
| John Loughrey . . . | 67 50 | | |
| | | 292 50 | |
| Cash for Legislative Documents, W. W. Pike . . | | 22 00 | |
| Directory, E. F. Hunt & Co. | | 3 00 | |
| Expressage :— | | | |
| American Express Co. . | $2 00 | | |
| Hazlett's Express . . | 30 | | |
| Savage & Son . . . . | 1 76 | | |
| | | 4 06 | |
| Lettering, Jas. D. Hunting | | 6 00 | |
| Ledger-Rest, Derby, Kilmer & Pond . . . . . | | 3 60 | |
| License Badges, Burditt & Bynner . . . . . | | 15 00 | |
| *Amounts carried forward* . | | $5,561 01 | $6,450 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $5,561 01 | $6,450 00 |
| For Posting and serving notices :— | | | |
| John M. Davis . . . | $27 90 | | |
| J. E. Lennon . . . . | 3 25 | | |
| Frank E. Shaw . . . | 52 89 | | |
| | ——— | 84 04 | |
| Repairing Chair, Rourke & Kennedy . . . . . | | 75 | |
| Reporting births . . . . | | 238 50 | |
| Stamps :— | | | |
| H. C. Dimond & Co. . | $6 25 | | |
| T. S. Buck . . . . . | 4 10 | | |
| L. W. Poole . . . . | 2 50 | | |
| Turner Mfg. Co. . . . | 1 60 | | |
| | ——— | 14 45 | |
| Stationery and Printing :— | | | |
| Blackbird Pen Co. . . | $5 00 | | |
| Cambridge Chronicle Co. | 12 00 | | |
| Cashman, O'Connor & Co. | 2 50 | | |
| John Cashman & Co. . | 27 50 | | |
| Cotton & Gould . . . | 50 37 | | |
| James H. Cox . . . . | 53 93 | | |
| J. Frank Facey . . . | 19 25 | | |
| John H. Ford . . . . | 34 75 | | |
| E. W. S. Jones . . . | 24 25 | | |
| Lombard & Caustic . . | 9 50 | | |
| Stationery Department . | 121 13 | | |
| Thorp & Martin Co. . . | 4 00 | | |
| | ——— | 364 18 | |
| Subscription :— | | | |
| F. L. Beunke . . . . | $6 35 | | |
| Cambridge Chronicle Co. | 2 50 | | |
| James Cox . . . . . | 2 00 | | |
| | ——— | 10 85 | |
| Type-writer and cabinet, Smith-Premier Type-writer Co. . . . . | | 125 00 | |
| Type-writing, E. A. Connihan . . . . . | | 5 47 | |
| | | ——— | |
| Total . . . . . | | | 6,404 25 |
| Balance unexpended . . | | | $45 75 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Salaries . . . . . | $4,145 19 |
| Clerical Assistance . . . | 1,022 02 |
| Badges . . . . . | 46 20 |
| Bulletin of Legislature . . | 22 00 |
| Canvassing births . . . | 292 50 |
| Posting and serving notices | 84 04 |
| Reporting births . . . . | 238 50 |
| Stationery and Printing . | 407 09 |
| Sundries . . . . . | 21 71 |
| Type-writer and cabinet . | 125 00 |
| | $6,404 25 |

## City Messenger Department.

Appropriation . . . . . $2,700 00

EXPENDED.

| | | | |
|---|---|---|---|
| For Salaries of | | | |
| City Messenger, F. L. Pratt | $1,800 00 | | |
| Assistant City Messenger, Chas. M. Jones . . . | 409 00 | | |
| | | $2,209 00 | |
| Carriage hire: — | | | |
| J. E. Fabyan . . . . | $4 00 | | |
| Whiting & Smith . . | 1 50 | | |
| | | 5 50 | |
| Car tickets, W. E. St. Railway Co. . . . . | | 50 00 | |
| Cash, F. L. Pratt . . . | | 1 85 | |
| Directory, E. F. Hunt & Co. | | 3 00 | |
| Expressage: — | | | |
| American Express Co. . | $1 35 | | |
| Hatch & Co. . . . . | 53 05 | | |
| Savage & Son . . . . | 45 | | |
| | | 54 85 | |
| Frame, C. F. Davis . . . | | 5 00 | |
| Horse and Buggy, Whiting & Smith . . . . . | | 3 00 | |
| *Amounts carried forward* . | | $2,332 20 | $2,700 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $2,332 20 | $2,700 00 |
| For R. R. Guide, F. L. Beunke | | 2 75 | |
| Rent of P. O. Box, J. W. Coveney . . . . . | | 10 00 | |
| Repairing Chair, Rourke & Kennedy . . . . . | | 75 | |
| Stationery and Printing: — | | | |
| Stationery Dept. . . . | $102 77 | | |
| Cambridge Chronicle Co. | 2 25 | | |
| | | 105 02 | |
| Subscription, James Cox . | | 2 00 | |
| Telephone Index, Telephone Index Co. . . . . | | 2 50 | |
| Telephone Rent and Tolls, N. E. Tel. Co. . . . | | 190 70 | |
| Total . . . . . | | | 2,645 92 |
| Balance unexpended . . . | | | $54 08 |

**Civil Service Department.**

| | |
|---|---|
| Appropriation . . . . . | $275 00 |

EXPENDED.

| | | |
|---|---|---|
| For Salary of Clerk, Harry L. Lincoln . | $200 00 | |
| Stationery, Cotton & Gould | 75 00 | |
| Total . . . . . | | $275 00 |

**Clerk of Committees' Department.**

| | |
|---|---|
| Appropriation . . . . . | $3,600 00 |
| Additional appropriation . . . . . | 108 47 |
| | $3,708 47 |

EXPENDED.

| | | | |
|---|---|---|---|
| For Salaries of Clerk of Committees, John McDuffie . . . . . | $2,400 00 | | |
| Assistant Clerk of Committees, Eben W. Pike . | 1,049 88 | | |
| | | $3,449 88 | |
| *Amounts carried forward* . | | $3,449 88 | $3,708 47 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $3,449 88 | $3,708 47 |
| For Advertising: — | | | |
| Cambridge Chronicle Co. | $ 4 33 | | |
| James Cox . . . . . | 3 00 | | |
| F. S. Hill . . . . . | 3 25 | | |
| | | 10 58 | |
| Car tickets, W. E. Street Railway Co. . . . . | | 10 00 | |
| Directories: — | | | |
| E. F. Hunt & Co. . . | $3 00 | | |
| W. A. Greenough & Co. | 2 00 | | |
| Sampson, Murdock & Co. | 5 00 | | |
| | | 10 00 | |
| Posting and serving, John M. Davis . . . . . | | 6 00 | |
| Reporting, Elizabeth A. McGinnis . . . . | | 60 00 | |
| Stamps, L. W. Poole . . | | 50 | |
| Stationery and Printing: — | | | |
| Cambridge Chronicle Co. | $13 40 | | |
| Cotton & Gould . . . | 21 25 | | |
| James H. Cox . . . . | 17 70 | | |
| Jennings & Welch . . | 8 00 | | |
| Harvard Printing Co. . | 1 25 | | |
| George H. Richter & Co. | 2 60 | | |
| Stationery Dept. . . . | 87 41 | | |
| Thorp & Martin Co. . . | 4 50 | | |
| | | 156 11 | |
| Subscription, James Cox . | | 2 00 | |
| Type-writer repairs, George H. Richter & Co. . . | | 3 40 | |
| Total . . . . . | | | $3,708 47 |

## Election Expenses, City Clerk.

| | |
|---|---|
| Appropriation . . . . . | $4,600 00 |
| Additional appropriation . . . . . | 92 63 |
| | $4,692 63 |
| *Amount carried forward* . | $4,692 63 |

| | | | |
|---|---|---|---|
| *Amount brought forward* . | | | $4,692 63 |
| | EXPENDED. | | |
| For Precinct Officers . . . | | $2,995 50 | |
| Police Officers . . . . | | 300 00 | |
| Bell Ringers . . . . . | | 11 00 | |
| Clerical Assistance: — | | | |
| Cora A. Belcher . . . | $50 70 | | |
| A. Jacobs . . . . . | 1 50 | | |
| S. S. and A. Jacobs . | 30 00 | | |
| Mary G. Leonard . . | 5 00 | | |
| Amanda Richardson . . | 6 00 | | |
| | | 93 20 | |
| Advertising: — | | | |
| Cambridge Chronicle Co. | $46 77 | | |
| James Cox . . . . . | 20 00 | | |
| F. S. Hill . . . . . | 58 50 | | |
| Sacred Heart Review . | 22 00 | | |
| | | 147 27 | |
| Barge hire: — | | | |
| A. Nixon . . . . . | $36 00 | | |
| John Nixon . . . . | 48 00 | | |
| | | 84 00 | |
| Binding, J. H. H. McNamee | | 66 72 | |
| Boxes, Charles Place . . | | 4 45 | |
| Carriage hire: — | | | |
| M. J. Fairbanks . . . | $32 00 | | |
| J. E. Fabyan . . . . | 10 50 | | |
| | | 42 50 | |
| Car tickets, W. E. Street Railway Co. . . . . | | 5 00 | |
| Expressage and moving furniture: — | | | |
| P. Biggin . . . . . | $32 50 | | |
| D. T. Johnstone . . . | 75 | | |
| | | 33 25 | |
| Hardware, tools, etc., Burditt & Bynner . . . . | | 8 95 | |
| Labor: — | | | |
| T. J. Denton . . . . | $32 35 | | |
| Martin J. Donlan . . | 1 50 | | |
| | | 33 85 | |
| *Amounts carried forward* . | | $3,825 69 | $4,692 63 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $3,825 69 | $4,692 63 |
| For Lettering, Jas. D. Hunting | | 11 00 | |
| Posting and serving notices: — | | | |
| John M. Davis . . . | $12 30 | | |
| Jas. E. Lennon . . . | 21 00 | | |
| Frank E. Shaw . . . | 12 50 | | |
| | | 45 80 | |
| Repairs on Ballot Boxes: — | | | |
| Edmund Hoxie . . . | $1 80 | | |
| Robert S. Robson . . . | 11 00 | | |
| | | 12 80 | |
| Services, Chas. M. Jones . | | 4 20 | |
| Sealing-wax, Chas. W. Sever | | 1 20 | |
| Stationery, Printing, Postage: — | | | |
| Cambridge Chronicle Co. | $40 00 | | |
| James Cox . . . . . | 28 75 | | |
| James H. Cox . . . . | 31 00 | | |
| Cotton & Gould . . . | 68 25 | | |
| Executive Dept. . . . | 22 50 | | |
| J. Frank Facey . . . | 32 50 | | |
| John H. Ford . . . . | 20 50 | | |
| Harvard Printing Co. . | 449 60 | | |
| Lombard & Caustic . . | 13 25 | | |
| Henry M. Meek . . . | 6 00 | | |
| Powell & Co. . . . . | 21 25 | | |
| Stationery Dept. . . . | 54 14 | | |
| | | 787 74 | |
| Stamps, H. C. Dimond & Co. . . . . | | 3 00 | |
| Tape, J. H. Corcoran & Co. | | 1 20 | |
| Total . . . . . | | | $4,692 63 |

**Election Expenses — Registrars of Voters.**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $3,600 00 |
| EXPENDED. | | | |
| For Salaries of Registrars of Voters and Clerk: — | | | |
| Isaac Bradford . . . . | $500 00 | | |
| Isaac Bradford, Jr., clerk . | 50 00 | | |
| Wm. J. Breen . . . . | 500 00 | | |
| James Cox . . . . . | 500 00 | | |
| John M. Davis . . . . | 250 00 | | |
| Frank H. Teele, Est. . . | 300 00 | | |
| | | $2,100 00 | |
| Clerical assistance: — | | | |
| Isaac Bradford, Jr. . . | $30 00 | | |
| Anne Jacobs . . . . | 230 00 | | |
| Jessie I. R. Waterman . | 13 50 | | |
| | | 273 50 | |
| Advertising: — | | | |
| Cambridge Chronicle Co. | $1 40 | | |
| James Cox . . . . . | 21 00 | | |
| D. A. Buckley . . . . | 37 50 | | |
| F. S. Hill . . . . . | 18 00 | | |
| | | 77 90 | |
| Binding: — | | | |
| E. W. Bettinson . . . | $10 00 | | |
| J. H. H. McNamee . . | 71 40 | | |
| | | 81 40 | |
| Carpentry, W. H. Norris . | | 32 50 | |
| Directory, E. F. Hunt & Co. | | 3 00 | |
| Labor, T. J. Denton . . | | 15 00 | |
| Lettering, Jas. D. Hunting | | 1 44 | |
| Moving Furniture, J. R. & C. S. Hersum . . . . | | 4 00 | |
| Posting: — | | | |
| John M. Davis . . . | $43 00 | | |
| J. A. McLane . . . . | 6 00 | | |
| | | 49 00 | |
| Repairing Desk, Rourke & Kennedy . . . . . | | 2 00 | |
| *Amounts carried forward* . | | $2,639 74 | $3,600 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $2,639 74 | $3,600 00 |
| For Stationery and Printing: — | | | |
| Cotton & Gould . . . | $1 75 | | |
| Jas. H. Cox . . . . | 6 00 | | |
| E. W. S. Jones . . . | 24 30 | | |
| Stationery Dept. . . . | 4 34 | | |
| John Wilson & Son . . | 776 69 | | |
| | | 813 08 | |
| Total . . . . . | | | 3,452 82 |
| Balance unexpended . . | | | $147 18 |

**Election Expenses — Superintendent of Buildings.**

| | |
|---|---|
| Appropriation . . . . . | $1,200 00 |
| Additional appropriation . . . . . | 131 15 |
| | $1,331 15 |

EXPENDED.

| | | | |
|---|---|---|---|
| For Carpentry, W. H. Norris | | $609 41 | |
| Expressage and moving furniture, J. E. Ricker . . | | 28 00 | |
| Glazing, J. H. & J. P. Thayer & Co. . . . . | | 3 10 | |
| Heating apparatus, S. C. Higgins . . . . . | | 8 60 | |
| Labor, Geo. D. Brown . . | | 12 00 | |
| Lamps, etc., Geo. F. Dickson . . . . . | | 25 90 | |
| Preparing rooms for voting | | 276 89 | |
| Rent: — | | | |
| Cambridge Lyceum . . | $48 00 | | |
| Chas. Beck, Post 56, G. A. R. . . . . | 50 00 | | |
| E. L. Green . . . . | 30 00 | | |
| Mt. Sinai Bldg. Assoc'n. | 60 00 | | |
| Odd Fellows' Hall Assoc'n | 55 00 | | |
| Prospect Union . . . | 25 00 | | |
| Red Jacket Veteran Fireman's Association . . | 17 50 | | |
| *Amounts carried forward* . | $285 50 | $963 90 | $1,331 15 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $285 50 | $963 90 | $1,331 15 |
| For Rent: — | | | |
| St. John's Literary Institute . . . . . | 80 00 | | |
| | | 365 50 | |
| Sawdust, Geo. G. Page Box Co. . . . . | | 1 75 | |
| Total . . . . . | | | $1,331 15 |

## Engineering Department.

| | |
|---|---|
| Appropriation . . . . . | $20,000 00 |
| Additional appropriation . . . . . | 2,800 00 |
| | $22,800 00 |

RECEIVED.

| | | |
|---|---|---|
| For Setting Stone Bound . . | $4 00 | |
| Services of City Engineer to Water Works . . . . | 2,000 00 | |
| Services of Engineers to Water Works . . . . | 10,336 06 | |
| Services of Engineers to Park Department . . . | 191 84 | |
| | $12,531 90 | |

EXPENDED.

| | | | |
|---|---|---|---|
| For Salaries of | | | |
| Engineer, L. M. Hastings . | $3,000 00 | | |
| Assistants . . . . . | 18,269 66 | | |
| Clerk, Mary E. Rowen . . | 313 00 | | |
| Temporary Clerk, Nellie Holbrook . . . . . | 12 00 | | |
| | | $21,594 66 | |
| Carpentry: — | | | |
| Hatch & Co. . . . . | $1 20 | | |
| Ira G. Hersey . . . . | 14 05 | | |
| W. H. Norris . . . . | 139 03 | | |
| Savage & Son . . . . | 1 20 | | |
| | | 155 48 | |
| *Amounts carried forward* . | | $21,750 14 | $22,800 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $21,750 14 | $22,800 00 |
| For Car tickets, W. E. St. Railway Co. . . . . | | 175 00 | |
| Cash expended for sundries :— | | | |
| L. M. Hastings . . . | $5 65 | | |
| W. H. Tuck . . . . | 9 04 | | |
| | | 14 69 | |
| Expressage : — | | | |
| Hatch & Co. . . . . | $5 55 | | |
| Savage & Son . . . . | 1 05 | | |
| | | 6 60 | |
| Hardware, tools, repairs and supplies : — | | | |
| Burditt & Bynner . . . | $4 70 | | |
| Greene & Co. . . . . | 5 10 | | |
| Chas. C. Hutchinson . . | 36 00 | | |
| James Maitland . . . | 14 35 | | |
| Smith & Winchester Co. | 9 32 | | |
| T. F. Welch & Co. . . | 7 38 | | |
| F. A. White . . . . | 36 02 | | |
| | | 112 87 | |
| Level, Books, etc., Wadsworth, Howland & Co. . | | 18 13 | |
| Map-stand, Rourke & Kennedy . . . . . | | 6 00 | |
| Numbering-stamp and Machine, L. W. Poole . . | | 38 75 | |
| Stools, Phillips Bros. & Co. . . . . | | 8 00 | |
| Surveying and Engineering Instruments : — | | | |
| Buff & Berger . . . . | $51 35 | | |
| S. H. Esbjorn . . . . | 16 49 | | |
| Holtzer, Cabot Elec. Co. | 24 00 | | |
| Jas. E. Moody . . . | 9 15 | | |
| Chas. W. Sherman . . | 12 00 | | |
| | | 112 99 | |
| *Amounts carried forward* . | | $22,243 17 | $22,800 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $22,243 17 | $22,800 00 |
| For Stationery, printing, and drawing materials: — | | | |
| Cambridge Chronicle Co. | $4 75 | | |
| Cashman, O'Connor & Co. | 10 37 | | |
| Cotton & Gould . . . | 36 30 | | |
| John H. Ford . . . . | 26 75 | | |
| Frost & Adams . . . | 179 58 | | |
| Harvard Printing Co. . | 2 25 | | |
| J. Hildreth & Co. . . . | 1 00 | | |
| George H. Richter & Co. | 1 75 | | |
| Rourke & Kennedy . . | 6 50 | | |
| E. G. Soltman . . . | 11 92 | | |
| Spaulding Print Paper Co. | 2 40 | | |
| Stationery Dept. . . . | 69 73 | | |
| Thorp & Martin Co. . . | 7 44 | | |
| | | 360 74 | |
| Supplies, D. W. Hyde & Co. | | 8 46 | |
| Telephone rent and tolls, N. E. Tel. Co. . . . | | 128 65 | |
| Telephone Index Co., Telephone Index . . . . | | 2 50 | |
| Total . . . . . | | | 22,743 52 |
| Balance unexpended . . | | | $56 48 |

**Executive Department.**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $5,400 00 |
| EXPENDED. | | | |
| For Salaries of | | | |
| Mayor, Wm. A. Bancroft . | $3,500 00 | | |
| Clerk, Edward A. Connihan | 1,000 56 | | |
| " Georgie W. Sanborn | 219 17 | | |
| " Florence J. Ollson . | 20 00 | | |
| " Lillian W. Hyde . . | 5 00 | | |
| | | $4,744 73 | |
| *Amounts carried forward* . | | $4,744 73 | $5,400 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $4,744 73 | $5,400 00 |
| For Carriage hire: — | | | |
| J. E. Fabyan . . . . | $2 00 | | |
| Lake & Moynahan . . | 43 25 | | |
| Whiting & Smith . . . | 63 50 | | |
| | | 108 75 | |
| Car tickets, W. E. St. Railway Co. . . . . | | 40 00 | |
| Copy of Map, Geo. H. Walker & Co. . . . . | | 17 00 | |
| Directory, E. F. Hunt & Co. | | 3 00 | |
| Labor, Smith & Ludden . | | 24 00 | |
| Lunch, M. R. Jones . . | | 10 00 | |
| Mass. Year Book, M. C. Webster . . . . . | | 1 00 | |
| Mounting Map, D. C. Scranton . . . . . | | 1 25 | |
| Recording Deeds, Wm. W. Dallinger . . . . . | | 25 00 | |
| Stationery and Printing: — | | | |
| Cashman, O'Connor & Co. . . . . | $26 01 | | |
| Cotton & Gould . . . | 32 75 | | |
| James H. Cox . . . . | 25 00 | | |
| Harvard Printing Co. . | 1 25 | | |
| J. Hildreth & Co. . . | 5 00 | | |
| John A. Lowell & Co. . | 22 71 | | |
| Stationery Dept. . . . | 85 90 | | |
| | | 198 62 | |
| Telephone rent and tolls, N. E. Tel. Co. . . . . | | 187 75 | |
| Type-writer repairs, Smith-Premier Type-writer Co. | | 1 05 | |
| Total . . . . . | | | 5,362 15 |
| Balance unexpended . . | | | $37 85 |

## Fire Department.

| | | | |
|---|---|---|---|
| Appropriation | | | $78,500 00 |
| Additional Appropriation | | | 3,672 00 |
| | | | $82,172 00 |
| RECEIVED. | | | |
| Horses | | $200 00 | |
| Board of Horse | | 107 75 | |
| | | $307 75 | |
| EXPENDED. | | | |
| For Salaries of | | | |
| Chief, T. J. Casey | $1,750 00 | | |
| Acting Chief, C. W. Brackett | 51 00 | | |
| District Chiefs: — | | | |
| C. W. Brackett | 375 00 | | |
| W. B. Cade | 375 00 | | |
| N. W. Bunker | 375 00 | | |
| Permanent men as per pay-rolls | 40,800 79 | | |
| Call men as per pay-rolls | 16,515 97 | | |
| Substitutes:— | | | |
| John J. Balfe | 2 50 | | |
| Chas. Barney | 112 50 | | |
| Jas. S. Casey | 29 00 | | |
| John M. Johnston | 2 50 | | |
| S. A. Mowry | 20 00 | | |
| | | $60,409 26 | |
| Apparatus, new: — | | | |
| Abbot, Downing Co. (Fuel Wagon) | $275 00 | | |
| Abbot, Downing Co. (Hose Wagon) | 450 00 | | |
| S. F. Hayward & Co. (Extinguisher) | 55 00 | | |
| J. Hinman (Extinguisher Bottles) | 13 00 | | |
| Manchester Locomotive Works (Engine) | 3,750 00 | | |
| *Amounts carried forward* | $4,543 00 | $60,409 26 | $82,172 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $4,543 00 | $60,409 26 | $82,172 00 |
| For Apparatus, new :— | | | |
| Manchester Locomotive Works (Horse Hitch) | 160 00 | | |
| U. S. Fire and Police Telegraph Co. (Automatic Whistle Machines) . | 425 00 | | |
| | | 5,128 00 | |
| Apparatus and repairs :— | | | |
| Abbot, Downing Co. . | $1 05 | | |
| Cornelius Callahan . . | 30 00 | | |
| Wm. Campbell Co. . . | 372 80 | | |
| Chapman Carriage Co. . | 10 60 | | |
| Hall Bros. . . . . | 1 75 | | |
| A. J. Jones . . . . | 19 19 | | |
| F. Ivers & Son . . . | 35 40 | | |
| T. H. Kneeland . . . | 6 00 | | |
| John Lane . . . . . | 81 40 | | |
| Manchester Locomotive Works . . . . . | 2,330 10 | | |
| George McIntosh . . . | 62 00 | | |
| Miller & Shaw . . . . | 88 86 | | |
| Mogul Mfg. Co. . . . | 7 00 | | |
| George Patterson . . . | 19 65 | | |
| C. N. Perkins & Co. . . | 10 60 | | |
| M. J. Sheehan . . . . | 2 65 | | |
| Voohies & Marks . . | 12 50 | | |
| Chas. Waugh & Co. . . | 15 20 | | |
| J. R. Worthen . . . | 74 | | |
| | | 3,107 49 | |
| Badges :— | | | |
| Eugene H. Richards . . | $37 40 | | |
| A. W. Mitchell . . . | 4 50 | | |
| Scovill Mfg. Co. . . . | 27 00 | | |
| | | 68 90 | |
| Carpentry, John Quin . . | | 18 97 | |
| Carriage hire :— | | | |
| J. E. Fabyan . . . . | $10 00 | | |
| James McGovern . . . | 10 00 | | |
| | | 20 00 | |
| *Amounts carried forward* . | | $68,752 62 | $82,172 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $68,752 62 | $82,172 00 |
| For Cash for R. R. fare, Jas. M. Casey . . . . . | | 2 50 | |
| Clocks and Repairs :— | | | |
| Jas. W. Marshea . . . | $1 50 | | |
| Jas. A. Rice . . . . | 13 00 | | |
| | ——— | 14 50 | |
| Expressage and teaming :— | | | |
| American Express Co. . | $ 40 | | |
| Boyle's Express . . . | 8 00 | | |
| Colby Bros. . . . . | 5 00 | | |
| Hatch & Co. . . . . | 2 85 | | |
| Thos. McSorley . . . | 15 50 | | |
| Savage & Son . . . . | 18 83 | | |
| | ——— | 50 58 | |
| Freight, C. W. Brackett . | | 11 20 | |
| Fuel :— | | | |
| Baker-Hunnewell Co. . | $637 64 | | |
| L. G. Burnham & Co. . | 324 01 | | |
| Coleman Bros. . . . | 656 25 | | |
| | ——— | 1,617 90 | |
| Weighing, H. W. Brooks . | | 8 25 | |
| Furniture and Bedding :— | | | |
| Adams & Lincoln . . | $3 50 | | |
| D. W. Hyde & Co. . . | 70 37 | | |
| Worcester Bros. . . . | 270 03 | | |
| | ——— | 343 90 | |
| Hardware, tools and supplies :— | | | |
| Burditt & Bynner . . | $210 53 | | |
| Brock Bros. . . . . | 11 84 | | |
| H. E. Fitzpatrick & Co. | 32 | | |
| James Maitland . . . | 10 50 | | |
| Moynahan & Co. . . . | 4 13 | | |
| J. M. Price & Son . . | 4 37 | | |
| | ——— | 241 69 | |
| Harness and repairs :— | | | |
| Chas. E. Berry . . . | $275 50 | | |
| M. Cavanagh . . . . | 20 85 | | |
| James Curry . . . . | 166 05 | | |
| *Amounts carried forward* | $462 40 | $71,043 14 | $82,172 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $462 40 | $71,043 14 | $82,172 00 |
| For Harness and repairs: — | | | |
| Owen Doherty . . . . | 11 80 | | |
| F. Ivers & Son . . . | 9 30 | | |
| G. A. Morse . . . . | 21 25 | | |
| J. R. Worthen . . . . | 1 09 | | |
| Wm. H. Roberts . . . | 67 75 | | |
| | | 573 59 | |
| Harness dressing, Ford & Dennon . . . . . | | 3 00 | |
| Hay, grain, straw: — | | | |
| J. S. Bradeen . . . . | $209 70 | | |
| Otis S. Brown & Co. . | 603 39 | | |
| R. S. Edwards & Co. . | 143 34 | | |
| W. F. Holmes . . . | 605 95 | | |
| E. R. Luke & Co. . . | 565 81 | | |
| McPherson Bros. . . . | 1,118 85 | | |
| George G. Wright . . | 42 16 | | |
| | | 3,289 20 | |
| Horse-shoeing: — | | | |
| Wm. Balmer . . . . | $46 75 | | |
| Wm. Bell . . . . . | 57 00 | | |
| James Bolger . . . . | 98 75 | | |
| T. Burke . . . . . | 60 00 | | |
| Donahue Bros. . . . | 56 00 | | |
| P. J. Callahan . . . | 64 00 | | |
| W. F. Garrett . . . . | 81 00 | | |
| John F. Gurry . . . | 156 25 | | |
| Bernard Smith . . . | 28 25 | | |
| Thomas Smith . . . | 69 00 | | |
| | | 717 00 | |
| Horses, P. H. Dardis . . | | 1,670 00 | |
| Hose, etc.: — | | | |
| Boston Woven Hose Co. | $2,077 31 | | |
| George S. Willis . . . | 31 00 | | |
| | | 2,108 31 | |
| Ice: — | | | |
| Cambridge Ice Co. . . | $24 00 | | |
| Fresh Pond Ice Co. . . | 30 30 | | |
| Independent Ice Co. . . | 6 00 | | |
| | | 60 30 | |
| *Amounts carried forward* . | | $79,464 54 | $82,172 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $79,464 54 | $82,172 00 |
| For Inspecting Meters, Hoyt Inspection Co. . . . . | | 28 00 | |
| Ladders, etc., C. W. H. Moulton & Co. . . . | | 14 00 | |
| Lamps, Thompson Brown Electric Co. . . . . | | 13 20 | |
| Lighting :— | | | |
| Cambridge Electric Light Co. . . . . | $170 42 | | |
| Cambridge Gas Light Co. | 808 98 | | |
| Repairs . . . . . | 114 53 | | |
| | | 1,093 93 | |
| Oil :— | | | |
| Standard Oil Co. . . . | $40 08 | | |
| Lustralis Mfg. Co. . . | 32 00 | | |
| Wm. F. Nye . . . . | 9 00 | | |
| | | 81 08 | |
| Packing, Gould Packing Co. | | 3 00 | |
| Printing :— | | | |
| Cambridge Chronicle Co. | $11 25 | | |
| Cashman, O'Connor & Co. | 7 68 | | |
| James H. Cox . . . . | 13 00 | | |
| Harvard Printing Co. . | 18 50 | | |
| | | 50 43 | |
| Removal by Ambulance, Ambulance Dept. . . . | | 3 00 | |
| Refreshments, M. R. Jones | | 7 00 | |
| Rope, Edward H. Haskell . | | 34 37 | |
| Soap :— | | | |
| Chas. R. Teele . . . | $4 12 | | |
| Frank H. Teele . . . | 11 62 | | |
| | | 15 74 | |
| Sawdust, George G. Page Box Co. . . . . | | 3 70 | |
| Shavings, C. W. H. Moulton & Co. . . . . | | 12 00 | |
| Shades, etc., W. W. Pratt | | 27 95 | |
| Stationery, Stationery Dept. | | 6 37 | |
| *Amounts carried forward* . | | $80,858 31 | $82,172 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $80,858 31 | $82,172 00 |
| For Supplies: — | | | |
| T. H. Brewer . . . . | $7 75 | | |
| C. W. Carmen . . . | 46 03 | | |
| H. N. Hovey & Co. . . | 4 90 | | |
| J. A. Holmes & Co. . . | 9 00 | | |
| M. R. Jouett & Co. . . | 11 80 | | |
| | | 79 48 | |
| Telephone Tolls . . . . | | 90 | |
| Use of horses and men: — | | | |
| John J. Brassil . . . | $122 00 | | |
| T. A. Callaghan . . . | 108 00 | | |
| Wm. Condon . . . . | 27 00 | | |
| Colby Bros. . . . . | 80 00 | | |
| F. J. Coulter . . . . | 24 00 | | |
| Elizabeth Cox . . . . | 73 50 | | |
| P. H. Dardis . . . . | 13 00 | | |
| John Doody . . . . | 123 00 | | |
| Elliott and Duvey . . | 69 00 | | |
| Austin Ford & Son . . | 79 00 | | |
| Thos. McSorley . . . | 10 00 | | |
| | | 728 50 | |
| Vitriol, Soda and Chemicals: — | | | |
| Poor, Towne & Co. . . | $98 64 | | |
| Read, Holliday & Sons . | 3 25 | | |
| | | 101 89 | |
| Washing Bedding, etc. . . | | 392 53 | |
| Whips, Darling Whip Manufactory . . . . . | | 10 38 | |
| Total . . . . . | | | 82,171 99 |
| Balance unexpended . . | | | $ 01 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Salaries . . . . . | $60,409 26 |
| Extra men and horses . . | 728 50 |
| Apparatus and repairs . . | 8,235 49 |
| Badges . . . . . | 68 90 |
| Carriage hire and refreshments . . . . . | 32 50 |
| *Amount carried forward* . | $69,474 65 |

| | | | |
|---|---|---|---|
| *Amount brought forward* . | | $69,474 65 | |
| For Expressage . . . . . | | 50 58 | |
| Fuel . . . . . | | 1,626 15 | |
| Furniture, Bedding, etc. . | | 386 35 | |
| Hardware, tools and supplies . . . . . | | 533 94 | |
| Harness and repairs . . | | 586 97 | |
| Hay, grain and straw . . | | 3,289 20 | |
| Horses . . . . . | | 1,670 00 | |
| Horse-shoeing, etc. . . . | | 717 00 | |
| Hose and repairs . . . | | 2,108 31 | |
| Ice . . . . . | | 60 30 | |
| Lighting houses . . . . | | 1,135 13 | |
| Oil, packing, etc. . . . | | 84 08 | |
| Stationery and printing . . | | 56 80 | |
| Washing bedding, etc. . . | | 392 53 | |
| | | $82,171 99 | |

**Health Department.**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $11,500 00 |
| EXPENDED. | | | |
| For Salaries of | | | |
| Medical Inspector, Dr. E. Farnham . . . . . | $2,949 96 | | |
| Secretary, Jas. B. Soper . | 1,114 81 | | |
| Sanitary Inspectors: — | | | |
| Edw. F. Chase . . . | 842 50 | | |
| Chas. A. Lincoln . . . | 792 25 | | |
| John McCormick . . . | 620 25 | | |
| Daniel W. Parker . . . | 52 50 | | |
| Drivers of Vans . . . . | 712 00 | | |
| | | $7,084 27 | |
| Advertising: — | | | |
| D. A. Buckley . . . . | $2 50 | | |
| Camb. Chronicle Co. . . | 2 00 | | |
| James Cox . . . . . | 4 04 | | |
| F. S. Hill . . . . . | 1 75 | | |
| | | 10 29 | |
| Badges, A. W. Mitchell Mfg. Co. . . . . | | 8 00 | |
| *Amounts carried forward* . | | $7,102 56 | $11,500 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $7,102 56 | $11,500 00 |
| For Bag, H. A. Winship . . | | 6 50 | |
| Board of Contagious Disease Patients at Cambridge Hospital . . . | | 1,368 93 | |
| Board of Horse, Whiting & Smith . . . . . | | 204 67 | |
| Board for Maps, Geo. L. Foster . . . . . | | 5 50 | |
| Canvas Suits, Wm. Read & Sons . . . . . | | 5 00 | |
| Carpentry, W. H. Norris . | | 23 02 | |
| Cash expended, Dr. E. E. Spencer . . . . . | | 7 35 | |
| Cash paid for burying dead animals . . . . . | | 60 50 | |
| Car tickets, W. E. Street Railway Co. . . . . | | 450 00 | |
| Clerical Assistance, Eben W. Pike . . . . . | | 5 00 | |
| Clothing and dry goods: — | | | |
| Jordan, Marsh & Co. . | $11 56 | | |
| L. Morse and Co. . . | 16 50 | | |
| | ——— | 28 06 | |
| Diphtheria Examinations, Harold C. Ernst, M. D. | | 618 50 | |
| Directory, E. F. Hunt . . | | 3 00 | |
| Disinfecting, City of Boston | | 60 00 | |
| Drugs and Prescriptions: — | | | |
| W. A. Claflin . . . . | $89 35 | | |
| Geo. M. Olive . . . . | 6 75 | | |
| Sundry Persons . . . | 6 15 | | |
| | ——— | 102 25 | |
| Harness, robes and blankets: — | | | |
| L. C. Chase & Co. . . | $15 55 | | |
| Rand & Cheever . . . | 74 25 | | |
| | ——— | 89 80 | |
| Horses, Russell & Drew . | | 330 00 | |
| *Amounts carried forward* . | | $10,470 64 | $11,500 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $10,470 64 | $11,500 00 |
| For Horse-shoeing, W. F. Garrett . . . . . | | 15 63 | |
| Indexing Reports, W. B. Briggs . . . . . | | 6 40 | |
| Making bags . . . . . | | 6 87 | |
| Nurse . . . . . | | 37 10 | |
| Plan, Geo. Davis . . . | | 5 00 | |
| Professional Services : — | | | |
| F. G. Cook . . . . | $25 00 | | |
| Dr. E A. Darling . . | 6 00 | | |
| | | 31 00 | |
| Repairs, Chapman Carriage Co. . . . . | | 36 20 | |
| Serving Notices . . . . | | 16 04 | |
| Stationery and Printing : — | | | |
| Cambridge Chronicle Co. | $17 10 | | |
| Cashman, O'Connor & Co. . . . . | 17 02 | | |
| Cotton & Gould . . . | 29 86 | | |
| Jas. H. Cox . . . . | 93 00 | | |
| Harvard Printing Co. . | 35 50 | | |
| E. W. Wheeler . . . | 9 75 | | |
| Sundry Persons . . . | 8 00 | | |
| | | 210 23 | |
| Supplies, Hardware, etc. : — | | | |
| Burditt & Bynner . . . | $17 65 | | |
| Sundry Persons . . . | 7 22 | | |
| | | 24 87 | |
| Type-writing, E. M. Smith | | 21 00 | |
| Use of Horse, Whiting and Smith . . . . . | | 2 00 | |
| Vans, Chapman Carriage Co. . . . . | | 600 00 | |
| Total . . . . . | | | 11,482 98 |
| Balance unexpended . . | | | $17 02 |

SUMMARY OF EXPENDITURES.

| | | |
|---|---|---|
| For Salaries . . . . . | $7,084 27 | |
| Clerical Assistance . . . | 32 40 | |
| Board of Contagious Disease Patients . . . . | 1,406 03 | |
| Burying Dead Animals . . | 60 50 | |
| Car tickets . . . . . | 450 00 | |
| Care of Horses, Vans, etc. . | 348 30 | |
| Diphtheria Examinations . | 618 50 | |
| Disinfecting . . . . . | 60 00 | |
| Drugs and Prescriptions . | 102 25 | |
| Horses . . . . . | 330 00 | |
| Miscellaneous . . . . . | 167 21 | |
| Stationery and Printing . . | 223 52 | |
| Vans . . . . . | 600 00 | |
| | $11,482 98 | |

**Incidental Expenses.**

| | |
|---|---|
| Appropriation . . . . . | $10,000 00 |
| Additional Appropriations . . . . . | 23,533 30 |
| | $33,533 30 |
| Transferred to Sundry Departments . . . | 18,608 47 |
| | $14,924 83 |

RECEIVED.

| | | |
|---|---|---|
| Fees for use of Ambulance | $16 00 | |
| Hawkers' and Peddlers' Licenses . . . . . | 100 00 | |
| Invalid Tax, Title refunded without reassessment . | 1,313 42 | |
| Liquor Licenses (Druggists) | 47 00 | |
| Referees . . . . . | 15 00 | |
| Rent of Land . . . . . | 187 40 | |
| Taxes (old) . . . . . | 278 00 | |
| | $1,956 82 | |
| *Amount carried forward* . | | $14,924 83 |

| | | | |
|---|---|---|---|
| *Amount brought forward* . | | | $14,924 83 |
| EXPENDED. | | | |
| For Ambulance Fees, C. W. Dailey . . . . . | | $43 00 | |
| Children's Celebration, Fourth of July. . . . | | 250 00 | |
| City Council expenses: — | | | |
| Salaries of Clerks: — | | | |
| Edw. J. Brandon . . | $260 00 | | |
| Edw. A. Connihan . | 45 00 | | |
| Page, Chas. M. Jones | 100 00 | | |
| Carriage Hire . . . . | 117 00 | | |
| Car tickets . . . . . | 350 00 | | |
| Finance Reports . . . | 41 45 | | |
| Floral Designs . . . . | 123 00 | | |
| Jury Box . . . . . | 11 72 | | |
| Refreshments . . . . | 68 00 | | |
| Services of Stenographers | 110 75 | | |
| | | 1,226 92 | |
| Clearing Title to Old City Hall . . . . . | | 41 19 | |
| Clerical Assistance on Jury Lists . . . . . | | 12 30 | |
| Copying Proprietors' Records . . . . . | | 48 15 | |
| Damages awarded and suits settled: — | | | |
| Wm. J. Bellis . . . | $75 00 | | |
| Ann Brassil . . . . | 331 60 | | |
| John Callaghan . . . | 60 00 | | |
| E. F. Clark . . . . | 3 00 | | |
| Geo. F. Clements . . . | 150 00 | | |
| Eliz'th A. Dill . . . . | 331 60 | | |
| Annie Doolin . . . . | 250 00 | | |
| Patrick Finley . . . . | 50 00 | | |
| Wm. J. Ford . . . . | 100 00 | | |
| John Gilligan . . . . | 24 48 | | |
| Richard J. Green . . . | 225 00 | | |
| John Holland . . . . | 144 00 | | |
| Winifred A. Joyce . . | 256 60 | | |
| *Amounts carried forward* . | $2,001 28 | $1,621 56 | $14,924 83 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $2,001 28 | $1,621 56 | $14,924 83 |
| For Damages awarded and suits settled: — | | | |
| F. E. Kendall . . . . | 1,161 55 | | |
| Margaret A. Kenney . . | 1,000 00 | | |
| Francis E. Kennedy . . | 1,180 00 | | |
| Catherine Linehan . . | 250 00 | | |
| Alexander Mason . . | 80 00 | | |
| John McIntosh . . . | 50 00 | | |
| Thomas Mitchell . . . | 12 00 | | |
| Ellen Monahan . . . | 50 00 | | |
| J. G. Neill . . . . . | 4 00 | | |
| Nath'l Neill, Jr. . . . | 200 00 | | |
| Wm. B. Noyes . . . | 5 00 | | |
| Props. of Mt. Auburn Cemetery . . . . | 1,376 45 | | |
| Emma Smith . . . . | 50 00 | | |
| | | 7,420 28 | |
| Expense of repairing fence, W. J. Rolfe . . . . | | 23 26 | |
| Filling Flats, Com. of Mass. | | 1,393 05 | |
| Flag Case for Public Library, M. F. Tracy & Co. | | 59 89 | |
| Invalid Tax Title, A. V. Lynde . . . . . | | 1,432 18 | |
| Liquor License Fees, Com. of Mass. . . . . | | 11 75 | |
| Mass. Annotation and Index Digest, Little, Brown & Co. . . . . | | 13 00 | |
| Memorial Day expenses . | | 1,000 00 | |
| Ringing Bells on Holidays | | 132 00 | |
| Services of Acting City Physician . . . . . | | 30 00 | |
| Services of Albert B. Hopkins, expert . . . . | | 68 00 | |
| Services of F. G. Cook, as legal counsel in criminal prosecutions . . . . | | 833 00 | |
| *Amounts carried forward* . | | $14,037 97 | $14,924 83 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $14,037 97 | $14,924 83 |
| For Shooting Range: — | | | |
| Advertising . . . . | $16 71 | | |
| Transportation and hire of Range . . . . | 400 00 | | |
| | | 416 71 | |
| Use of Land, Annie M. Rikeman . . . . . | | 25 00 | |
| Use of Abstracts, Estate of Chas. G. Pope . . . | | 35 00 | |
| Total . . . . . | | | 14,514 68 |
| Balance unexpended . . | | | $410 15 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Ambulance Fees . . . | $43 00 |
| City Council expenses . . | 1,226 92 |
| Clearing Title of Old City Hall . . . . . | 41 19 |
| Copying Proprietors' Records . . . . . | 48 15 |
| Damages awarded and Suits settled . . . . . | 7,420 28 |
| Filling Flats . . . . . | 1,393 05 |
| Flag Case . . . . . | 59 89 |
| Holiday Celebrations . . | 1,382 00 |
| Invalid Tax Titles . . . | 1,432 18 |
| Professional Services in criminal cases . . . | 833 00 |
| Services of Acting City Physician . . . . . | 30 00 |
| Shooting Range expenses . | 416 71 |
| Sundries . . . . . | 188 31 |
| | $14,514 68 |

## Inspection of Milk and Vinegar.

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $1,400 00 |
| RECEIVED. | | | |
| For Milk and butterine licenses . . . . . | | $155 00 | |
| EXPENDED. | | | |
| For Salaries of | | | |
| Inspector, Dr. F. A. Dunbar . . . . . | $900 00 | | |
| Deputy, John F. Wheeler . | 316 15 | | |
| | | $1,216 15 | |
| Carriage hire : — | | | |
| G. Davoran . . . . | $15 00 | | |
| James Shea . . . . | 12 00 | | |
| | | 27 00 | |
| Car tickets, W. E. St. Railway Co. . . . . | | 35 00 | |
| Drugs, W. A. Claflin . . | | 13 40 | |
| Expressage, Savage & Son | | 1 95 | |
| Lactoscope, Franklin Educational Co. . . . . | | 3 54 | |
| Microscope, Wm. R. Copeland . . . . . | | 50 00 | |
| Regulator, Franklin Educational Co. . . . . | | 2 03 | |
| Samples, F. A. Dunbar . | | 3 50 | |
| Stationery and Printing : — | | | |
| Cambridge Chronicle Co. | $9 50 | | |
| Cotton & Gould . . . | 12 00 | | |
| Stationery Dept. . . . | 14 07 | | |
| | | 35 57 | |
| Total . . . . . | | | 1,388 14 |
| Balance unexpended . . | | | $11 86 |

### Inspection of Provisions.

| | | | |
|---|---|---|---|
| Appropriation | | | $750 00 |
| EXPENDED. | | | |
| For Salary of Inspector of Provisions, Dr. C. E. Haddcock | | $700 00 | |
| Prescriptions, chemicals: — | | | |
| Walter A. Claflin | $32 40 | | |
| Henry Thayer & Co. | 13 49 | | |
| Sundry persons | 2 00 | | |
| | | 47 89 | |
| Total | | | 747 89 |
| Balance unexpended | | | $2 11 |

### Inspection of Wires.

| | | | |
|---|---|---|---|
| Appropriation | | | $10,000 00 |
| Additional appropriation | | | 400 00 |
| | | | $10,400 00 |
| RECEIVED. | | | |
| For Labor and Materials | | $942 56 | |
| EXPENDED. | | | |
| For Salaries of | | | |
| Inspector, Chas. H. Morse | $763 85 | | |
| Inspector, Chas. F. Hopewell | 222 18 | | |
| Clerk, Lillian W. Hyde | 125 00 | | |
| Assistants: — | | | |
| Geo. J. Blaisdell | 1,199 60 | | |
| D. J. Campbell | 627 45 | | |
| Wm. C. Pierce | 1,022 60 | | |
| O. L. Whitney | 866 80 | | |
| Edw. Backus | 1,019 60 | | |
| Fred Backus | 313 00 | | |
| Herbert Blaisdell | 36 00 | | |
| Edmund Lincoln | 7 50 | | |
| J. J. Ruddick | 215 00 | | |
| Wm. Shutz | 7 50 | | |
| J. Pettipas | 50 00 | | |
| | | $6,476 08 | |
| *Amounts carried forward* | | $6,476 08 | $10,400 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $6,476 08 | $10,400 00 |
| For Apparatus and Supplies: — | | | |
| Boston Dental Mfg. Co. | $40 42 | | |
| Boston Electric Light Co. | 35 06 | | |
| Burditt & Bynner . . . | 150 45 | | |
| Cumner, Craig & Co. . | 200 00 | | |
| Edes Mfg. Co. . . . | 69 14 | | |
| Gethins Elec. Mfg. Co. . | 35 00 | | |
| Gillis & Gleeson . . . | 65 91 | | |
| Holtzer, Cabot Elec. Co. | 77 40 | | |
| Municipal Fire and Police Telegraph Co. . . . | 334 25 | | |
| Pettingell-Andrews Co. . | 241 05 | | |
| Henry C. Radford . . | 70 50 | | |
| Siemens & Holske Elec. Co. . . . . | 295 00 | | |
| Standard Brass Co. . . | 20 68 | | |
| Standard Oil Co. . . . | 64 83 | | |
| Geo. M. Stevens . . . | 176 63 | | |
| Thompson-Brown Elec. Co. . . . . | 84 23 | | |
| U. S. Fire and Police Tel. Co. . . . . | 221 00 | | |
| A. J. Wilkinson & Co. . | 44 65 | | |
| Sundry Persons . . . | 166 58 | | |
| | | 2,412 78 | |
| Care of Horses, Harnesses and Wagons: — | | | |
| Board of Horses: — | | | |
| Irving Blake . . . | $275 00 | | |
| Fire Dept. . . . . | 107 75 | | |
| Gwynne & Co. . . . | 79 00 | | |
| Frank E. Newgent & Co. | 175 00 | | |
| Shoeing: — | | | |
| Wm. Balmer . . . | 45 50 | | |
| T. Burke . . . . . | 75 | | |
| Harness and repairs: — | | | |
| Chas. E. Berry . . . | 12 00 | | |
| L. C. Chase & Co. . | 6 60 | | |
| *Amounts carried forward* . | $701 60 | $8,888 86 | $10,400 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $701 60 | $8,888 86 | $10,400 00 |
| For Care of Horses, Harnesses and Wagons : — | | | |
| Harness and repairs : — | | | |
| G. A. Morse . . . | 16 38 | | |
| F. E. Newgent & Co. . | 35 | | |
| J. F. Nolan . . . . | 3 50 | | |
| Wm. H. Roberts . . | 3 00 | | |
| Wagon repairs : — | | | |
| Chapman Carriage Co. | 122 47 | | |
| | | 847 30 | |
| Carpentry : — | | | |
| Ira G. Hersey . . . . | $24 05 | | |
| W. H. Norris . . . . | 14 02 | | |
| D. C. Scranton . . . | 15 00 | | |
| M. F. Tracy & Son . . | 2 35 | | |
| | | 55 42 | |
| Car tickets, W. E. St. Railway Co. . . . . | | 35 00 | |
| Expressage : — | | | |
| American Express Co. . | $ 50 | | |
| Hatch & Co . . . . . | 19 28 | | |
| Sawin's Express . . . | 2 90 | | |
| | | 22 68 | |
| Lighting, Cambridge Elec. Light Co. . . . . | | 113 90 | |
| Lunches . . . . . | | 1 30 | |
| Rebates . . . . . | | 43 25 | |
| Stationery and Printing : — | | | |
| Cotton & Gould . . . | $19 75 | | |
| Powell and Co. . . . | 3 50 | | |
| Stationery Dept. . . . | 7 95 | | |
| | | 31 20 | |
| Telephone rent and tolls . | | 315 53 | |
| Type-writing, Wm. F. Haverty . . . . . | | 2 00 | |
| Washing, Fanny E. Blaisdell . . . . . | | 43 38 | |
| Total . . . . . | | | 10,399 82 |
| Balance unexpended . . | | | $ 18 |

SUMMARY OF EXPENDITURES.

| | | |
|---|---|---|
| For Salaries and Labor . . | $6,476 08 | |
| Apparatus and Supplies . | 2,412 78 | |
| Care of Horses, Wagons, etc. | 847 30 | |
| Carpentry . . . . . | 55 42 | |
| Car tickets . . . . . | 35 00 | |
| Expressage . . . . . | 22 68 | |
| Lights . . . . . | 113 90 | |
| Stationery and Printing . | 31 20 | |
| Sundries . . . . . | 46 55 | |
| Telephone rent, etc. . . . | 315 53 | |
| Washing . . . . . | 43 38 | |
| | $10,399 82 | |

**Interest.**

| | |
|---|---|
| Appropriation . . . . . | $122,600 00 |
| Transferred to School Dept., Board of Truants . . . . . | 588 62 |
| | $122,011 38 |

RECEIVED.

| | |
|---|---|
| For accrued interest on Bonds sold . . . . . | $1,035 28 |
| Accrued interest on Park Loan Bonds sold . . . | 455 56 |
| Interest on deposits . . . | 3,773 38 |
| Interest on taxes . . . . | 4,253 57 |
| Premium on Bonds . . . | 32,842 20 |
| | $42,359 99 |

EXPENDED.

| | |
|---|---|
| For Interest on Contingent Loan . . . . . | $4,000 00 |
| Daniel White Charity . . | 300 00 |
| Dowse Institute Fund . . | 600 00 |
| Funded Loan . . . . . | 106,405 00 |
| Sanders Temperance Fund . | 600 00 |
| Temporary Loans . . . | 6,194 84 |
| Total . . . . . | 118,099 84 |
| Balance unexpended . . | $3,911 54 |

## Lamp Department.

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $70,000 00 |
| RECEIVED. | | | |
| For Repairs on Lantern . | | $0 80 | |
| EXPENDED. | | | |
| For Salaries of | | | |
| Supt. Chas. H. Morse . . | $763 85 | | |
| Supt. Chas. F. Hopewell . | 222 18 | | |
| Clerk, Lillian W. Hyde . . | 162 00 | | |
| Lamplighters . . . . . | 3,660 00 | | |
| | | $4,808 03 | |
| Care of Horse, Wagons, etc. :— | | | |
| Board of Horse, F. E. Newgent & Co. . . | $125 20 | | |
| Shoeing, Wm. Balmer . | 27 25 | | |
| Carriage repairs, Chapman Carriage Co. . . | 64 00 | | |
| | | 216 45 | |
| Carriage hire . . . . . | | 14 00 | |
| Expressage . . . . . | | 50 | |
| Hardware and Supplies . | | 25 13 | |
| Labor, moving lamps, etc. | | 110 00 | |
| Lamp Chimneys . . . . | | 57 85 | |
| Lighting Streets :— | | | |
| Cambridge Electric Light Co., Arc . . . . . | $51,350 68 | | |
| Incandescent . . . | 6,708 75 | | |
| Repairs . . . . . | 12 60 | | |
| Cambridge Gas Light Co. | 6,365 25 | | |
| Repairs . . . . . | 12 99 | | |
| Town of Belmont . . . | 48 00 | | |
| | | 64,498 27 | |
| Matches . . . . . | | 5 40 | |
| Oil, Standard Oil Co. . . | | 125 36 | |
| Repairs on Typewriter . . | | 7 00 | |
| Stationery and printing . | | 46 62 | |
| Torches, Nath'l Tufts . . | | 12 00 | |
| Total . . . . . | | | 69,926 61 |
| Balance unexpended . . | | | $ 73 39 |

## Land Damages.

| | | | |
|---|---|---|---|
| Appropriation | | | $27,100 00 |
| Additional Appropriations | | | 30,161 66 |
| | | | $57,261 66 |

EXPENDED.

| | | | |
|---|---|---|---|
| For Commercial Ave. : — | | | |
| Land and Damage, Benj. G. Smith | | $18,191 25 | |
| Davenport Street : — | | | |
| Land and Damage, Benj. Hadley | | 1,959 00 | |
| Huron Ave. : — | | | |
| Land and Damage, Phoebe G. Horsford | | 850 00 | |
| Massachusetts Ave. : — | | | |
| Land and Damage, Union Methodist Episcopal Church | | 1,615 00 | |
| Mount Auburn Street : — | | | |
| Land and Damage, Putnam and Story Trustees | | 369 60 | |
| Norton Street : — | | | |
| Land and Damages : — | | | |
| John Barnes | $237 94 | | |
| Walter Ela, Trustee | 100 75 | | |
| Smith Gerrish | 196 95 | | |
| John A. Whipple Heirs | 64 44 | | |
| | | 600 08 | |
| Wyeth Street : — | | | |
| Land and Damages : — | | | |
| Carrie T. Hathaway | $450 20 | | |
| H. F. Prince | 20 00 | | |
| John M. Riley | 120 00 | | |
| Examination of Titles, Wm. V. Thompson | 85 00 | | |
| Experts : — | | | |
| A. B. Hopkins | 5 00 | | |
| C. L. Weldon | 5 00 | | |
| R. & C. G. Wentworth | 5 00 | | |
| | | 690 20 | |
| Total | | | 24,275 13 |
| Balance unexpended | | | $32,986 53 |

## Law Department.

| | |
|---|---|
| Appropriation | $3,800 00 |
| Additional Appropriation | 170 45 |
| | $3,970 45 |

RECEIVED.

| | | |
|---|---|---|
| For services of city solicitor in water cases | | $1,800 00 |

EXPENDED.

| | | |
|---|---|---|
| For Salary of city solicitor, G. A. A. Pevey | | $2,933 56 |
| Advertising, James Cox | | 9 50 |
| Car tickets, W. E. St. Railway Co. | | 80 00 |
| Cash expended, G. A. A. Pevey | | 224 26 |
| Services of Experts:— | | |
| Henry C. Baldwin, M.D. | $50 00 | |
| A. B. Hopkins | 8 00 | |
| | | 58 00 |
| Services of Sheriffs:— | | |
| Alvah S. Baker | $23 04 | |
| John R. Fairbairn | 44 36 | |
| Walter C. Wardwell | 14 58 | |
| | | 81 98 |
| Stationery and Printing:— | | |
| T. H. Ball | $26 00 | |
| Geo. E. Crosby | 11 00 | |
| Stationery Dept. | 29 32 | |
| | | 66 32 |
| T. W. Desk, Chair, etc., Jas. J. Shannon & Co. | | 58 48 |
| Type-writing, Geo.B. French | | 458 35 |
| Total | | $3,970 45 |

**Overseers of the Poor (Almshouse Department).**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $20,000 00 |
| RECEIVED. | | | |
| From sundry sources . . . | | $859 46 | |
| EXPENDED. | | | |
| For Salaries of | | | |
| Supt., M. L. Eldridge . . | $1,500 00 | | |
| Asst. Supt., Samuel F. Norris . . . . . | 782 14 | | |
| Chaplain, F. W. Holland . | 50 00 | | |
| Sundry House Officials . . | 4,454 64 | | |
| Organist, M. G. Hillman . | 75 00 | | |
| | | $6,861 78 | |
| Advertising: — | | | |
| Boston Herald Co. . . | $7 12 | | |
| James Cox . . . . . | 5 00 | | |
| | | 12 12 | |
| Ambulance Fees, Ambulance Dept. . . . . | | 6 00 | |
| Board: — | | | |
| Boston Children's Aid Society . . . . . | $64 53 | | |
| Mass. General Hospital . | 23 00 | | |
| | | 87 53 | |
| Boots, Shoes and Repairing: — | | | |
| F. E. Eldridge . . . . | $3 75 | | |
| F. Fischer . . . . . | 95 | | |
| Mass. Boot & Shoe Co. . | 66 95 | | |
| P. H. Moriarty . . . | 122 62 | | |
| Wm. Myer . . . . . | 90 15 | | |
| H. Sleap & Co. . . . | 16 45 | | |
| A. G. Swett & Co. . . | 7 70 | | |
| | | 308 57 | |
| Burials, H. D. Litchfield . | | 133 70 | |
| Burial Fees, Cemetery Dept. | | 52 00 | |
| Car tickets, W. E. St. Railway Co. . . . . | | 90 00 | |
| Cash expended, M. L. Eldridge . . . . . | | 304 99 | |
| *Amounts carried forward* . | | $7,856 69 | $20,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $7,856 69 | $20,000 00 |
| For Clothing and Bedding: — | | | |
| Brown, Durrell & Co. . | $327 38 | | |
| Burton, Mansfield & Pierce . . . . . | 110 00 | | |
| J. H. Corcoran & Co. . | 23 70 | | |
| Dyer, Rice & Co. . . . | 40 80 | | |
| D. W. Hyde & Co. . . | 17 05 | | |
| Jordan, Marsh & Co. . | 540 99 | | |
| L. Morse & Co. . . . | 61 51 | | |
| Smith, Carter, Conner & Co. . . . . | 129 00 | | |
| Thompson, Willis & Newgent . . . . . | 149 13 | | |
| | | 1,399 56 | |
| Disinfectants: — | | | |
| Columbian Insecticide Co. | $7 50 | | |
| R. S. Downe & Co. . . | 5 00 | | |
| J. F. Fuller & Co. . . | 19 00 | | |
| C. W. Lerned & Co. . . | 16 25 | | |
| | | 47 75 | |
| Extinguisher, Knight & Thomas . . . . . | | 15 00 | |
| Expressage, Bancroft's Express . . . . . | | 29 55 | |
| Fixtures, Boston Gas Appliance Exchange . . . | | 27 27 | |
| Fuel: — | | | |
| Baker-Hunnewell Co. . | $273 30 | | |
| Coleman Bros. . . . . | 993 75 | | |
| | | 1,267 05 | |
| Weighing Coal, H. W. Brooks . . . . . | | 13 25 | |
| Furniture, Furnishings, etc: — | | | |
| Dover Stamping Co. . . | $8 00 | | |
| D. W. Gage . . . . | 2 00 | | |
| Milton Gage . . . . | 22 03 | | |
| Greenwood & Co. . . . | 43 50 | | |
| Mellish, Byfield & Co. . | 77 00 | | |
| Paine Furniture Co. . . | 83 50 | | |
| *Amounts carried forward* . | $236 03 | $10,656 12 | $20,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $236 03 | $10,656 12 | $20,000 00 |
| For Furniture, Furnishings, etc. : — | | | |
| John H. Pray, Sons & Co. | 76 15 | | |
| Geo. H. Richter & Co. . | 39 00 | | |
| Somerville Desk Co. . . | 89 00 | | |
| Worcester Bros. . . . | 5 76 | | |
| | | 445 94 | |
| Gas, Cambridge Gas Light Co. . . . . | | 224 94 | |
| Hardware, Tools and Supplies : — | | | |
| Burditt & Bynner . . . | $136 80 | | |
| Central Oil Gas Stove Co. | 3 00 | | |
| Hersey Manfg. Co. . . | 4 00 | | |
| Walker & Pratt Mfg. Co. | 14 00 | | |
| Walworth Mfg. Co. . . | 8 43 | | |
| F. A. White . . . . | 60 07 | | |
| | | 226 30 | |
| Horse-clipping, John Smith | | 3 00 | |
| Horse-shoeing, Gerry & Rufer . . . . . | | 11 50 | |
| House repairs : — | | | |
| Boiler repairs : — | | | |
| Wm. Campbell & Co. . | $2 10 | | |
| Chas. River Iron Works | 9 20 | | |
| Carpentry, W. H. Norris | 166 00 | | |
| Plumbing : — | | | |
| D. W. Gage . . . | 10 50 | | |
| John H. Stevens & Co. | 5 86 | | |
| Roofing, David Young . | 25 00 | | |
| | | 218 66 | |
| Ice, H. D. & W. S. Durgin | | 66 48 | |
| Labor : — | | | |
| Henry Hearsey . . . | $20 00 | | |
| Frank Henney . . . . | 5 00 | | |
| James Prendable . . . | 33 00 | | |
| Thos. Walsh . . . . | 5 00 | | |
| | | 63 00 | |
| *Amounts carried forward* . | | $11,915 94 | $20,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $11,915 94 | $20,000 00 |
| For Lumber, Lime and Cement: — | | | |
| Geo. W. Gale Lumber Co. | $146 48 | | |
| Sewell, Adams & Co. . | 20 42 | | |
| Wm. H. Wood & Co. . | 7 80 | | |
| | | 174 70 | |
| Medicines, Drugs, etc.: — | | | |
| Eagle Chemical Co. . . | $12 00 | | |
| Gilman Bros. . . . . | 218 01 | | |
| Wm. B. Hunt & Co. . . | 3 90 | | |
| Geo. M. Olive . . . . | 12 25 | | |
| | | 246 16 | |
| Medical instruments and surgical apparatus, W. H. Phelps & Co. . . . . | | 4 00 | |
| Nurses: — | | | |
| Minnie Hicks . . . . | $6 00 | | |
| Wm. Hunt . . . . . | 13 00 | | |
| Margaret McGowan . . | 13 00 | | |
| Waltham Reg. for Nurses | 2 00 | | |
| | | 34 00 | |
| Oil, W. A. Wood & Co. . | | 14 06 | |
| Pipe and fittings: — | | | |
| D. W. Lewis . . . . | $23 11 | | |
| Walworth Mfg. Co. . . | 11 68 | | |
| | | 34 79 | |
| Prof. services: — | | | |
| Paul F. Ela, M. D. . . | $4 00 | | |
| E. H. Stevens, M. D. . | 5 00 | | |
| | | 9 00 | |
| Repairing clock: — | | | |
| Hersey Mfg. Co. . . . | $70 00 | | |
| Inspection of wires . . | 9 25 | | |
| | | 79 25 | |
| Repairs on Wagon, Jas. A. Henderson & Sons . . | | 55 75 | |
| Rubber Goods, C. S. Knowles . . . . . | | 1 68 | |
| Safe, Geo. E. Foster & Co. | | 150 00 | |
| Sealing Fees, Sealer of Weights and Measures . | | 4 26 | |
| *Amounts carried forward* . | | $12,723 59 | $20,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $12,723 59 | $20,000 00 |
| For Soap : — | | | |
| Charles R. Teele . . . | $95 00 | | |
| Mark A. Torrey & Co. . | 2 63 | | |
| | | 97 63 | |
| Stationery and Printing : — | | | |
| F. W. Barry, Beale & Co. | $10 75 | | |
| Cotton & Gould . . . | 26 85 | | |
| | | 37 60 | |
| Subscriptions, Jas. W. Hunnewell . . . . . | | 24 00 | |
| Subsistence supplies : — | | | |
| Armour & Co. . . . | $144 90 | | |
| Boyd, Leeds & Co. . . | 559 16 | | |
| J. R. Brock & Whitaker | 670 77 | | |
| Cambridge Baking Co. . | 32 55 | | |
| Cheney, Upham & Co. . | 57 80 | | |
| Clark Bros. . . . . | 56 75 | | |
| Geo. Close . . . . . | 14 12 | | |
| Geo. H. Chessman & Co. | 8 50 | | |
| Cobb, Bates & Yerxa . | 282 13 | | |
| Chas. L. Davenport . . | 21 80 | | |
| R. S. Edwards & Co. . | 114 90 | | |
| David Ellis & Co. . . | 40 86 | | |
| Hathaway & Gould . . | 1,092 01 | | |
| J. J. Hill . . . . . | 457 90 | | |
| F. M. Holmes . . . . | 4 40 | | |
| J. A. Holmes & Co. . . | 30 80 | | |
| Howard W. Spurr & Co. | 68 33 | | |
| M. R. Jones . . . . | 3 60 | | |
| Lyman L. Kimball & Co. | 56 50 | | |
| A. J. Littlefield & Co. . | 355 56 | | |
| A. J. Lowell & Co. . . | 65 55 | | |
| McPherson Bros. . . . | 153 30 | | |
| N. Y. Biscuit Co. . . | 51 85 | | |
| Fred D. Norton . . . | 324 65 | | |
| Geo. G. Parker . . . | 30 15 | | |
| F. Putnam & Co . . . | 347 31 | | |
| Geo. E. Richardson & Co. | 28 45 | | |
| *Amounts carried forward* . | $5,074 60 | $12,882 82 | $20,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $5,074 60 | $12,882 82 | $20,000 00 |
| For Subsistence supplies: — | | | |
| Sands, Page & Taylor . | 275 00 | | |
| Wm. Sandison . . . | 38 20 | | |
| L. A. Treat . . . . | 110 88 | | |
| Utley & Rogers . . . | 326 55 | | |
| S. P. Worthley . . . | 910 45 | | |
| | | 6,735 68 | |
| Tax on Almshouse Land, City of Somerville . . | | 286 44 | |
| Telephone rent and tolls, N. E. Telephone Co. . . | | 84 53 | |
| Toys, B. H. Landman . . | | 3 52 | |
| Total . . . . . | | | 19,992 99 |
| Balance unexpended . . | | | $7 01 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Board . . . . . | $87 53 |
| Burials . . . . . | 185 70 |
| Care of Horse and Wagon . | 70 25 |
| Car tickets . . . . . | 90 00 |
| Clothing, Boots and Shoes, etc. . . . . | 1,713 33 |
| Expressage . . . . . | 29 55 |
| Fuel and Light . . . . | 1,505 24 |
| Furniture and Furnishings . | 567 46 |
| Hardware, tools, etc. . . | 261 09 |
| House repairs . . . . | 218 66 |
| Lumber, lime and cement . | 174 70 |
| Medicines, etc. . . . . | 297 91 |
| Safe . . . . . | 150 00 |
| Salaries and Labor . . . | 6,924 78 |
| Services, Nurses and Physicians . . . . . | 43 00 |
| Stationery and Printing . | 61 60 |
| Subsistence supplies . . | 6,899 79 |
| Sundries . . . . . | 341 43 |
| Tax on Almshouse Land . | 286 44 |
| Telephone rent and tolls . | 84 53 |
| | $19,992 99 |

**Overseers of the Poor (Farm and Ledge).**

| | | |
|---|---|---|
| Appropriation . . . . . | | $8,500 00 |
| Transferred from Incidental Expenses . . . . . | $890 88 | |
| Transferred from House Offal . . . | 400 00 | |
| | | 1,290 88 |
| | | $9,790 88 |

RECEIVED.

| | |
|---|---|
| For Farm Produce . . . . | $6,787 62 |
| Stone . . . . . | 7,942 88 |
| | $14,730 50 |

EXPENDED.

*Farm Department.*

| | | | |
|---|---|---|---|
| For Labor on Farm :— | | | |
| Farmer, James Welch . | $782 50 | | |
| Employees, as per pay rolls . . . . . | 1,957 69 | | |
| | | $2,740 19 | |
| Baskets, Greenwood & Co. | | 2 25 | |
| Cows : — | | | |
| Eugene D. Brooks . . | $45 00 | | |
| Wm. Heffern . . . . | 85 00 | | |
| Jeremiah Sullivan . . | 56 00 | | |
| | | 186 00 | |
| Flower pots, John McVey . | | 10 00 | |
| Hay and grain : — | | | |
| Clark Bros. . . . . | $225 25 | | |
| S. C. Frost . . . . . | 64 45 | | |
| | | 289 70 | |
| Hemp, M. F. Whiton & Co. . . . . | | 5 61 | |
| Horse-shoeing, Gerry & Rufer . . . . . | | 17 65 | |
| Hose, etc., C. S. Knowles . | | 34 50 | |
| Labor :— | | | |
| John Flynn . . . . . | $180 00 | | |
| Wm. Juhlmann . . . | 16 00 | | |
| *Amounts carried forward* . | $196 00 | $3,285 90 | $9,790 88 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $196 00 | $3,285 90 | $9,790 88 |
| For Labor: — | | | |
| John Kenney . . . . | 120 00 | | |
| Thos. O'Hara . . . . | 120 00 | | |
| Ludwig Reiger . . . . | 18 75 | | |
| | | 454 75 | |
| Lumber, Geo. W. Gale Lumber Co. . . . . | | 15 12 | |
| Manure: — | | | |
| David Barry . . . . | $7 50 | | |
| Peter Burns . . . . | 12 19 | | |
| T. A. Callaghan . . . | 22 34 | | |
| T. C. Cosgrove . . . | 40 58 | | |
| John T. Culhane . . . | 19 50 | | |
| E. Fredrekson . . . . | 20 82 | | |
| S. Girstien . . . . . | 7 13 | | |
| Timothy Keefe . . . | 46 06 | | |
| Martin Kneeland . . . | 18 00 | | |
| Frank Lerner . . . . | 29 29 | | |
| Elizabeth Martell . . . | 43 87 | | |
| N. J. McConologue . . | 40 86 | | |
| Jeremiah McCrehan . . | 11 02 | | |
| M. Murphy . . . . | 25 50 | | |
| Thos. O'Hara . . . . | 18 44 | | |
| Michael O'Sullivan . . | 27 96 | | |
| John Quinn . . . . | 52 36 | | |
| J. M. Riley . . . . | 57 96 | | |
| Sundry Persons . . . | 10 63 | | |
| N. T. Trelegan . . . | 11 25 | | |
| | | 523 26 | |
| Market expenses, M. L. Eldridge . . . . . | | 21 45 | |
| Pigs: — | | | |
| Wm. Day . . . . . | $24 00 | | |
| M. Maloney . . . . | 6 00 | | |
| John D. Penney . . . | 32 00 | | |
| J. C. Russell . . . . | 12 00 | | |
| Nelson Russell . . . | 36 00 | | |
| D. L. Tappan . . . . | 14 00 | | |
| | | 124 00 | |
| *Amounts carried forward* . | | $4,424 48 | $9,790 88 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $4,424 48 | $9,790 88 |
| For Pullets, T. G. Whiting . | | 20 50 | |
| Rent of Stand, Mercantile Wharf Corp. . . . . | | 40 00 | |
| Seeds, plants, etc. : — | | | |
| Jos. Breck & Sons . . | $28 40 | | |
| Crosby Bros. . . . . | 38 00 | | |
| F. Putnam & Co. . . | 5 10 | | |
| Schlegel & Fottler . . | 142 70 | | |
| Whiting Nursery Co. . | 25 00 | | |
| | | 239 20 | |
| Tools, Jos. Breck & Sons . | | 7 10 | |
| Farm total . . . . . | | $4,731 28 | |
| *Ledge Department.* | | | |
| Labor on Ledge : — | | | |
| Foreman, Michael Callahan . . . . . | $786 25 | | |
| Employees, as per pay rolls . . . . . | 3,525 00 | | |
| | | $4,311 25 | |
| Hardware : — | | | |
| Brock Bros. . . . . | $8 48 | | |
| Dodge, Haley & Co. . | 23 81 | | |
| | | 32 29 | |
| Lumber, Geo. W. Gale Lumber Co. . . . . | | 33 03 | |
| Powder, etc. : — | | | |
| Hecla Powder Co. . . | $12 04 | | |
| Geo. H. Sampson . . | 354 98 | | |
| | | 367 02 | |
| Pump, hose, etc., Edson Mfg. Co. . . . . | | 68 00 | |
| Repairing Tools, W. A. Easter . . . . . | | 246 01 | |
| Ledge Total . . . . | | $5,057 60 | |
| Total . . . . . | | | 9,788 88 |
| Balance unexpended . . | | | $2 00 |

SUMMARY OF EXPENDITURES.

| | | |
|---|---|---|
| For Farm: — | | |
| Labor | $3,194 94 | |
| Cows, pigs, and pullets | 330 50 | |
| Hay, grain | 289 70 | |
| Horse-shoeing | 17 65 | |
| Hose | 34 50 | |
| Lumber | 15 12 | |
| Market expenses | 61 45 | |
| Manure | 523 26 | |
| Seeds, plants, etc. | 239 20 | |
| Tools and supplies | 24 96 | |
| | $4,731 28 | |
| Ledge: — | | |
| Labor | $4,311 25 | |
| Lumber | 33 03 | |
| Hardware, tools, etc. | 346 30 | |
| Powder and Fuse | 367 02 | |
| | $5,057 60 | |

**Overseers of the Poor (House Offal).**

| | | |
|---|---|---|
| Appropriation | | $24,500 00 |
| Additional appropriation | | 900 54 |
| | | $25,400 54 |
| Transferred to Almshouse Department | | 400 00 |
| | | $25,000 54 |
| RECEIVED. | | |
| For sale of house offal | $9,045 55 | |
| EXPENDED. | | |
| For labor as per pay-rolls | $20,267 00 | |
| Cash expended, M. L. Eldridge | 4 05 | |
| Grease and oil, Alden Speare's Sons & Co. | 25 32 | |
| *Amounts carried forward* | $20,296 37 | $25,000 54 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $20,296 37 | $25,000 54 |
| For Hardware, tools and supplies : — | | | |
| Dodge, Haley & Co. . . | $28 65 | | |
| F. A. White . . . . | 15 82 | | |
| | ——— | 44 47 | |
| Harness and repairs : — | | | |
| F. Ivers & Son . . . | $4 25 | | |
| Jos. A. Ryan . . . . | 218 33 | | |
| | ——— | 222 58 | |
| Hay and grain : — | | | |
| Otis S. Brown & Co. . | $592 50 | | |
| Clark Bros. . . . . | 579 09 | | |
| A. Fitch & Co. . . . | 347 45 | | |
| E. R. Luke & Co. . . | 71 23 | | |
| H. H. Turner & Co. . . | 576 49 | | |
| Geo. G. Wright . . . | 716 50 | | |
| | ——— | 2,883 26 | |
| Horse blankets, Dyer, Rice & Co. . . . . | | 8 40 | |
| Horses : — | | | |
| H. D. & W. S. Durgin . | $100 00 | | |
| Wm. Maloney . . . | 100 00 | | |
| E. A. Muller . . . . | 125 00 | | |
| Welch & Hall . . . | 110 00 | | |
| | ——— | 435 00 | |
| Horse-shoeing : — | | | |
| Wm. Bell . . . . . | $437 00 | | |
| John McMahon . . . | 14 25 | | |
| | ——— | 451 25 | |
| Labor : — | | | |
| Thos. Nelligan . . . | $18 00 | | |
| Hugh Toomey . . . . | 120 00 | | |
| | ——— | 138 00 | |
| Liniment, etc., J. F. Fuller & Co. . . . . | | 11 50 | |
| Lumber, Geo. W. Gale Lumber Co. . . . . | | 87 96 | |
| Ointment, Elias Lathrop . | | 4 00 | |
| *Amounts carried forward* . | | $24,582 79 | $25,000 54 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $24,582 79 | $25,000 54 |
| For Repairs on Wagons: — | | | |
| W. A. Easter . . . . | $364 55 | | |
| Jas. A. Henderson & Sons | 17 70 | | |
| | | 382 25 | |
| Tubs, N. Y. Biscuit Co. . | | 4 50 | |
| Wheelbarrow, A. L. Teele | | 6 00 | |
| Total . . . . . | | | 24,975 54 |
| Balance unexpended . . | | | $25 00 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Labor . . . . . | $20,405 00 |
| Harness and repairs . . . | 230 98 |
| Hay and Grain . . . . | 2,883 26 |
| Horses . . . . . | 435 00 |
| Horse-shoeing . . . . | 451 25 |
| Lumber . . . . . | 87 96 |
| Sundries . . . . . | 99 84 |
| Wagon repairs . . . . | 382 25 |
| | $24,975 54 |

**Overseers of the Poor (Salary of Assistant City Physician).**

| | | |
|---|---|---|
| Appropriation . . . . . | | $1,500 00 |
| EXPENDED. | | |
| For salary of Assistant City Physician, Dr. L. L. Bryant | $1,500 00 | |
| Total . . . . . | | $1,500 00 |

**Overseers of the Poor (Outside Aid).**

| | |
|---|---|
| Appropriation . . . . . | $43,000 00 |
| Transferred from Incidental Expenses . . . | 1,582 83 |
| Additional Appropriation . . . . . | 1 09 |
| | $44,583 92 |

| | | |
|---|---|---|
| RECEIVED. | | |
| For aid to board and burial of paupers . . . . . | $7,647 71 | |
| *Amount carried forward* . | | $44,583 92 |

| | | | |
|---|---|---|---|
| *Amount brought forward* . | | | $44,583 92 |
| | EXPENDED. | | |
| For Salaries of | | | |
| Secretary, D. P. Muzzey . | $1,500 00 | | |
| Visitor, V. Danforth . | 1,500 00 | | |
| Clerk, Addie M. Benson . | 537 69 | | |
| | | $3,537 69 | |
| Advertising, James Cox . | | 4 00 | |
| Aid to sundry persons . . | | 5,744 61 | |
| By cities and towns: — | | | |
| City of Boston . . . | $1,869 66 | | |
| Chelsea . . . . | 1 25 | | |
| Everett . . . . | 126 63 | | |
| Haverhill . . . . | 95 67 | | |
| Lowell . . . . . | 8 29 | | |
| Lynn . . . . . | 172 45 | | |
| Malden . . . . | 62 30 | | |
| New Bedford . . . | 3 00 | | |
| Newton . . . . | 157 50 | | |
| Somerville . . . | 405 69 | | |
| Taunton . . . . | 76 51 | | |
| Waltham . . . . | 94 60 | | |
| Woburn . . . . | 98 00 | | |
| Worcester . . . | 4 28 | | |
| Town of Arlington . | 14 73 | | |
| Brookline . . . . | 76 23 | | |
| Danvers . . . . | 166 75 | | |
| Everett . . . . | 14 25 | | |
| Hudson . . . . | 89 50 | | |
| Methuen . . . . | 139 60 | | |
| Milford . . . . | 2 00 | | |
| Southbridge . . . | 6 28 | | |
| | | 3,685 17 | |
| Ambulance Fees: — | | | |
| Ambulance Dept. . . . | $102 00 | | |
| C. W. Dailey . . . . | 24 00 | | |
| | | 126 00 | |
| Binding: — | | | |
| E. W. Bettinson . . . | $6 00 | | |
| J. H. H. McNamee . . | 71 60 | | |
| | | 77 60 | |
| *Amounts carried forward* . | | $13,175 07 | $44,583 92 |

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|---|---|---|---|
| *Amounts brought forward* . | | $13,175 07 | $44,583 92 |
| For Board and care of sundry persons | | | |
| At Boston Children's Aid Society . . . . | $656 22 | | |
| Cambridge Hospital . | 588 48 | | |
| Carney Hospital . . | 360 56 | | |
| Danvers Lunatic Hospital . . . . . | 2,031 72 | | |
| Essex County Truant School . . . . . | 130 00 | | |
| Hospital Cottages for Children . . . . | 302 69 | | |
| Mrs. M. L. Bean's . . | 57 10 | | |
| Mrs. Geo. A. Bisbee's | 146 00 | | |
| Mrs. F. H. Farmer's . | 169 46 | | |
| Mrs. M. A. French's . | 146 00 | | |
| Miss O. S. C. Haskins' | 338 92 | | |
| Mrs. V. B. Moody's . | 146 00 | | |
| Mass. General Hospital | 140 00 | | |
| Mass. Hospital for Dipsomaniacs and Inebriates . . . . . | 439 53 | | |
| Mass. School for the Feeble-minded . . | 2,062 35 | | |
| Taunton Lunatic Hospital . . . . . | 297 13 | | |
| Waltham Hospital . . | 21 00 | | |
| Westboro Insane Hospital . . . . . | 2,334 64 | | |
| Worcester Insane Asylum . . . . . | 2,821 61 | | |
| Worcester Lunatic Hospital . . . . . | 8,880 92 | | |
| By Commonwealth of Massachusetts : — | | | |
| At Danvers Lunatic Hospital . . . . . | 77 07 | | |
| *Amounts carried forward* . | $22,147 40 | $13,175 07 | $44,583 92 |

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|---|---|---|---|
| *Amounts brought forward* . | $22,147 40 | $13,175 07 | $44,583 92 |
| For board and care of sundry persons | | | |
| By Commonwealth of Massachusetts :— | | | |
| At Mass. Hospital for Dipsomaniacs and Inebriates . . . . . | 339 87 | | |
| State Almshouse . . | 1,710 86 | | |
| State Farm . . . . | 560 46 | | |
| Taunton Lunatic Hospital . . . . . | 123 50 | | |
| Westboro Insane Hospital . . . . . | 260 82 | | |
| Worcester Lunatic Hospital . . . . . | 1,039 78 | | |
| | | 26,182 69 | |
| Boots and Shoes and repairs :— | | | |
| E. T. Fogg . . . . . | $1 50 | | |
| C. D. Wilder . . . . | 48 50 | | |
| | | 50 00 | |
| Brackets, N. W. Turner Co. | | 5 50 | |
| Burials, H. D. Litchfield . | | 268 05 | |
| Burial fees, Cemetery Dept. | | 161 00 | |
| Carpentry, W. H. Norris . | | 8 88 | |
| Carriage hire :— | | | |
| M. J. Fairbanks . . . | $18 00 | | |
| Whiting & Smith . . . | 13 00 | | |
| | | 31 00 | |
| Car tickets, W. E. St. Railway Co. . . . . | | 150 00 | |
| Cash expended :— | | | |
| Dr. L. L. Bryant . . . | $9 80 | | |
| V. Danforth . . . . | 112 83 | | |
| D. P. Muzzey . . . . | 14 51 | | |
| S. F. Norris . . . . | 1 45 | | |
| | | 138 59 | |
| Clothing :— | | | |
| Jordan, Marsh & Co. . | $89 72 | | |
| L. Morse & Co. . . . | 10 00 | | |
| | | 99 72 | |
| *Amounts carried forward* . | | $40,270 50 | $44,583 92 |

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| *Amounts brought forward* . | | $40,270 50 | $44,583 92 |
| For Directories : — | | | |
| W. A. Greenough & Co. | $8 00 | | |
| Edw. A. Jones . . . | 2 00 | | |
| L. Lemon . . . . . | 1 50 | | |
| Sampson, Murdock & Co. | 5 00 | | |
| | | 16 50 | |
| Flour bags, paper, etc., Wm. H. Claflin & Co. . . . | | 10 99 | |
| Fuel :— | | | |
| Baker-Hunnewell Co. . | $154 35 | | |
| L. G. Burnham & Co. . | 165 39 | | |
| Coleman Bros. . . . . | 1,031 25 | | |
| Weighing, H. W. Brooks | 13 75 | | |
| | | 1,364 74 | |
| Ice, Cambridge Ice Co. . | | 10 40 | |
| Lighting :— | | | |
| Cambridge Gas Light Co. | $45 68 | | |
| Cambridge Electric Light Co. . . . . | 3 65 | | |
| | | 49 33 | |
| Medicines and drugs :— | | | |
| A. R. Bayley & Co. . . | $6 48 | | |
| C. E. Coombs . . . . | 12 91 | | |
| Gilman Bros. . . . . | 119 08 | | |
| E. C. Gove . . . . | 22 42 | | |
| G. F. Harvey Co. . . | 7 40 | | |
| Wm. B. Hunt & Co. . . | 8 87 | | |
| Eli H. La Pierre . . . | 15 40 | | |
| Reeves Bros. . . . . | 17 07 | | |
| A. D. Reycroft . . . | 21 65 | | |
| L. W. Reycroft . . . | 55 26 | | |
| John Toye . . . . . | 9 78 | | |
| Frank H. Willard . . | 12 47 | | |
| Sundry Persons . . . | 15 48 | | |
| | | 324 27 | |
| Medical instruments and surgical apparatus :— | | | |
| Codman & Shurtleff . . | $2 00 | | |
| C. H. Goldthwaite & Co. | 13 50 | | |
| *Amounts carried forward* . | $15 50 | $42,046 73 | $44,583 92 |

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| *Amounts brought forward* . | $15 50 | $42,046 73 | $44,583 92 |
| For Medical instruments and surgical apparatus : — | | | |
| Mass. Charitable Eye and Ear Infirmary . . . | 1 50 | | |
| | | 17 00 | |
| Painting, etc., Geo. H. Hughes . . . . . | | 7 50 | |
| Professional services : — | | | |
| Paul F. Ela, M. D. . . | $70 00 | | |
| P. M. Fitzsimmons, M.D. | 2 00 | | |
| J. L. Hildreth, M.D. . | 20 00 | | |
| G. H. Tuttle, M.D. . . | 3 00 | | |
| | | 95 00 | |
| Stationery and printing : — | | | |
| F. W. Barry, Beale & Co. | $141 60 | | |
| Cashman, O'Connor & Co. | 90 32 | | |
| Cotton & Gould . . . | 15 50 | | |
| John H. Ford . . . . | 49 25 | | |
| Harvard Printing Co. . | 55 60 | | |
| Sundry Persons . . | 6 50 | | |
| | | 358 77 | |
| Subsistence Supplies : — | | | |
| Boyd, Leeds & Co. . . | $20 91 | | |
| Clark Bros. . . . . | 24 55 | | |
| Cobb, Bates and Yerxa . | 280 23 | | |
| D. H. Dean . . . . | 168 25 | | |
| R. S. Edwards & Co. . | 249 62 | | |
| J. A. Holmes & Co. . . | 494 50 | | |
| H. N. Hovey & Co. . . | 264 83 | | |
| McPherson Bros. . . . | 214 92 | | |
| Sands, Taylor & Wood . | 112 50 | | |
| Sundry Persons . . . | 12 00 | | |
| | | 1,842 31 | |
| Sundries . . . . . | | 9 62 | |
| Telephone rent and tolls, N. E. Telephone Co. . | | 179 54 | |
| Type-writer repairs and supplies, Hammond Typewriter Co. . . . . | | 27 45 | |
| Total . . . . . | | | $44,583 92 |

SUMMARY OF EXPENDITURES.

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|---|---|
| For Salaries . . . . . | $3,537 69 |
| Aid, board and care . . . | 35,612 47 |
| Ambulance Fees . . . . | 126 00 |
| Boots, shoes and clothing . | 149 72 |
| Burials . . . . . | 429 05 |
| Car tickets and carriage hire . . . . . | 181 00 |
| Drugs, Medicines, and Professional Attendance . | 436 27 |
| Fuel and Lights . . . . | 1,414 07 |
| Stationery and Printing . | 436 37 |
| Subsistence supplies . . . | 1,863 70 |
| Sundries . . . . . | 218 04 |
| Telephone rent and tolls . | 179 54 |
| | $44,583 92 |

**Park Department (Construction).**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $348,000 00 |
| EXPENDED. | | | |
| For Salaries of | | | |
| Supt., Geo. R. Cook . . | $1,791 62 | | |
| Foremen : — | | | |
| Jas. Doherty . . . . | 137 53 | | |
| John Donnelly . . . . | 441 37 | | |
| John H. McCarthy . . | 876 00 | | |
| M. L. Wixon . . . . | 718 75 | | |
| Tallyman, George W. Young | 255 00 | | |
| Engineers . . . . . | 2,482 26 | | |
| Clerks : — | | | |
| Elizabeth McGinnis . . | 566 00 | | |
| Georgie W. Sanborn . | 14 25 | | |
| John R. Wilson . . . | 318 25 | | |
| Labor as per pay-rolls . . | 13,865 90 | | |
| | | $21,466 93 | |
| Advertising : — | | | |
| Boston Daily Advertiser | $18 75 | | |
| Boston Herald Co. . . | 13 12 | | |
| *Amounts carried forward* . | $31 87 | $21,466 93 | $348,000 00 |

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| *Amounts brought forward* . | $31 87 | $21,466 93 | $348,000 00 |
| For Advertising: — | | | |
| Cambridge Chronicle Co. | 4 10 | | |
| James Cox . . . . . | 3 75 | | |
| F. S. Hill . . . . . | 2 50 | | |
| | | 42 22 | |
| Alterations on Building, I. Frankenstein . . . . | | 10 00 | |
| Binding Reports, Farquhar & Campbell. . . . . | | 112 97 | |
| Boat, O. Sheldon & Co. . | | 28 20 | |
| Board of horse, Whiting & Smith . . . . . | | 305 25 | |
| Boxes, C. L. Page & Co. . | | 13 80 | |
| Bricks: — | | | |
| Chas. McMahon . . . | $45 93 | | |
| M. W. Sands . . . . | 846 60 | | |
| | | 892 53 | |
| Car tickets, W. E. St. Railway Co. . . . . | | 190 00 | |
| Carpentry: — | | | |
| W. Fillmore & Co. . . | $338 40 | | |
| W. H. Norris . . . . | 37 69 | | |
| John Quin . . . . . | 719 97 | | |
| M. F. Tracy & Son . . | 50 00 | | |
| | | 1,146 06 | |
| Carriage hire: — | | | |
| Lake & Moynahan . . | $4 00 | | |
| Whiting & Smith . . . | 37 00 | | |
| | | 41 00 | |
| Cash expended: — | | | |
| George R. Cook . . . | $24 59 | | |
| Charles B. Parker . . | 2 10 | | |
| | | 26 69 | |
| Copies of Plans and Views: — | | | |
| Heliotype Printing Co. . | $112 50 | | |
| George H. Walker . . | 15 00 | | |
| | | 127 50 | |
| Directory, E. F. Hunt & Co. | | 3 00 | |
| Dredging, New England Dredging Co. . . . . | | 200 00 | |
| *Amounts carried forward* . | | $24,606 15 | $348,000 00 |

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|---|---|---|---|
| *Amounts brought forward* . | | $24,606 15 | $348,000 00 |
| For Electric work, Edmund Lincoln . . . . . | | 1 50 | |
| Examining Titles, Wm. V. Thompson . . . . . | | 258 00 | |
| Expressage: — | | | |
| American Express Co. . | $3 50 | | |
| Hatch & Co. . . . . | 2 90 | | |
| Savage & Son . . . . | 13 00 | | |
| | | 19 40 | |
| Filling, Loam, Manure . . | | 37,491 10 | |
| Fuel: — | | | |
| Coleman Bros. . . . . | $2 73 | | |
| Robert Fawcett . . . | 17 45 | | |
| | | 20 18 | |
| Furniture: — | | | |
| Library Bureau . . . | $16 20 | | |
| Rourke & Kennedy . . | 68 00 | | |
| | | 84 20 | |
| Freight: — | | | |
| Thos. O'Hara . . . . | $3 30 | | |
| John Gallivan . . . . | 3 46 | | |
| | | 6 76 | |
| Gravel, John T. Scully . . | | 3 00 | |
| Hardware, tools and repairs: — | | | |
| Ames Plow Co. . . . | $625 66 | | |
| Barbour, Stockwell Co. . | 21 00 | | |
| C. L. Bradlee . . . . | 85 | | |
| Burditt & Bynner . . . | 160 35 | | |
| George F. Dickson . . | 2 00 | | |
| Dodge, Haley & Co. . . | 2 22 | | |
| Walter W. Field . . . | 1 21 | | |
| M. D. Jones & Co. . . | 13 65 | | |
| Alexander Mark . . . | 10 00 | | |
| Pettingell, Andrews Co. | 3 50 | | |
| A. M. Robbins . . . | 12 60 | | |
| F. A. White . . . . | 63 05 | | |
| | | 916 09 | |
| Horse-shoeing, G. W. Lowd | | 30 00 | |
| Insurance, Samuel Appleton | | 25 00 | |
| *Amounts carried forward* . | | $63,461 38 | $348,000 00 |

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| *Amounts brought forward* . | | $63,461 38 | $348,000 00 |
| For Iron Fence, A. Simpson . | | 277 71 | |
| Labor, Wm. Lutz . . . | | 1 00 | |
| Labor and materials: — | | | |
| City of Cambridge Water Works . . . . . | $363 87 | | |
| City of Cambridge Street Dept. . . . . | 7 50 | | |
| | | 371 37 | |
| Land: — | | | |
| John Murray Brown . . | $463 36 | | |
| Cambridge Casino Co. . | 17,500 00 | | |
| Augustus P. Clarke . . | 2,176 80 | | |
| Wm. H. Forbes, *et al.*, Tr. . . . . | 20,323 84 | | |
| John Holmes, Agt. . . | 2,000 00 | | |
| Alexander McDonald . | 20,000 00 | | |
| Pres. and Fellows of Harvard College . . . . | 12,681 76 | | |
| Isaac Tufts' Heirs . . | 1,545 93 | | |
| Francis H. Whitman . . | 219 44 | | |
| | | 76,911 13 | |
| Lettering signs, R. W. Huzzey . . . . . | | 22 00 | |
| Lumber, Cement: — | | | |
| John S. Clary . . . . | $6 71 | | |
| Geo. W. Gale Lumber Co. | 2 75 | | |
| E. D. Sawyer & Co. . . | 82 34 | | |
| William H. Wood & Co. | 1 82 | | |
| | | 93 62 | |
| Maps, Suffolk Engraving Co. | | 7 04 | |
| Massachusetts Statutes, Little, Brown & Co. . . | | 17 10 | |
| Oil, Standard Oil Co. . . | | 7 14 | |
| Paving, H. Gore & Co. . | | 735 06 | |
| Pipe: — | | | |
| Walter W. Field . . . | $4 45 | | |
| D. W. Lewis . . . . | 2 18 | | |
| Portland Stone Ware Co. | 92 58 | | |
| | | 99 21 | |
| *Amounts carried forward* . | | $142,003 76 | $348,000 00 |

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|---|---|---|---|
| *Amounts brought forward* . | | $142,003 76 | $348,000 00 |
| For Pipe and Labor, Water Works . . . . . | | 804 70 | |
| Poles, Coleman Bros. . . | | 55 00 | |
| Photos, D. W. Butterfield . | | 4 50 | |
| Premium on Policy, T. H. Raymond . . . . . | | 79 00 | |
| Recording Deeds: — | | | |
| Charles B. Stevens . . | $22 19 | | |
| Edward J. Brandon . . | 1 00 | | |
| | | 23 19 | |
| Rent, Prospect Union . . | | 70 00 | |
| Repairing Carriages: — | | | |
| F. Ivers & Son . . . | $21 75 | | |
| Chas. Waugh & Co. . . | 6 00 | | |
| | | 27 75 | |
| Repairing Catch Basin, Wm. M. Harrison . . . . | | 3 87 | |
| Repairing Desk, Rourke & Kennedy . . . . . | | 1 00 | |
| Reporting, Rogers & Jones | | 108 86 | |
| Retaining Fee: — | | | |
| John Mahady . . . . | $50 00 | | |
| Frederick H. Viaux . . | 200 00 | | |
| | | 250 00 | |
| Rubber Goods: — | | | |
| Cable Rubber Co. . . | $9 56 | | |
| Fuller, Leonard & Small | 3 00 | | |
| W. T. Roop & Co. . . | 6 00 | | |
| H. M. Sawyer & Son . | 11 00 | | |
| H. Sleap . . . . . | 4 25 | | |
| | | 33 81 | |
| Sea Wall: — | | | |
| Contract, Thomas A. Rowe . . . . . | $39,034 55 | | |
| Piles, Wm. L. Miller . . | 12 00 | | |
| Repairing, C. T. Derry & Co. . . . . | 742 90 | | |
| | | 39,789 45 | |
| *Amounts carried forward* . | | $183,254 89 | $348,000 00 |

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|---|---|---|---|
| *Amounts brought forward* . | | $183,254 89 | $348,000 00 |
| For Services of Engineering Dept. . . . . | | 191 84 | |
| Services of Diver, Geo. W. Townsend . . . . . | | 95 50 | |
| Services of Landscape Architects, Olmstead, Olmstead & Eliot . . . . . | | 2,592 41 | |
| Signs, J. D. Hunting . . | | 9 00 | |
| Stakes, poles : — | | | |
| Coleman Bros. . . . | $20 00 | | |
| John Quin . . . . . | 19 00 | | |
| | ——— | 39 00 | |
| Stationery, Printing, Postage : — | | | |
| Cambridge Chronicle Co. | $110 75 | | |
| Cotton & Gould . . . | 105 25 | | |
| James H. Cox . . . . | 26 25 | | |
| John H. Ford . . . . | 79 90 | | |
| Frost & Adams . . . | 44 30 | | |
| Harvard Printing Co. . | 249 70 | | |
| G. W. Ring . . . . | 35 00 | | |
| Smith - Premier Typewriter Co. . . . . | 2 00 | | |
| Stationery Dept. . . . | 92 51 | | |
| Thorp & Martin Co. . . | 2 83 | | |
| Louis F. Weston . . . | 20 00 | | |
| | ——— | 768 49 | |
| Stone-cutting, Austin Ford & Son . . . . . | | 2 25 | |
| Stone, City of Cambridge, Street Dept. :— | $32 00 | | |
| S. & R. J. Lombard . . | 129 00 | | |
| Chas. McMahon . . . . | 375 29 | | |
| Mass. Broken Stone Company . . . . . | 324 75 | | |
| Jeremiah O'Brien . . . | 2 00 | | |
| | ——— | 863 04 | |
| *Amounts carried forward* . | | $187,816 42 | $348,000 00 |

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|---|---|---|---|
| *Amounts brought forward* . | | $187,816 42 | $348,000 00 |
| For Stamps and Repairs: — | | | |
| L. W. Poole . . . . | $1 25 | | |
| T. S. Buck . . . . | 2 50 | | |
| | | 3 75 | |
| Subscription, Garden and Forest . . . . . | | 4 00 | |
| Surveying Instruments and Repairs: — | | | |
| Buff & Berger . . . . | $20 80 | | |
| Chas. C. Hutchinson . . | 14 00 | | |
| | | 34 80 | |
| Sundries, D. W. Hyde & Co. | | 1 36 | |
| Teaming: — | | | |
| P. Biggin . . . . . | $2 50 | | |
| James Boyle . . . . | 13 50 | | |
| Mrs. E. Cox . . . . | 31 50 | | |
| James Culhane . . . | 103 50 | | |
| John Gallivan . . . . | 72 88 | | |
| James Kelley . . . . | 1 05 | | |
| Chas. Linehan . . . . | 1,323 34 | | |
| John A. Mooney . . . | 46 50 | | |
| Michael Murphy . . . | 75 00 | | |
| Timothy Murphy . . . | 22 50 | | |
| Jas. O'Brien . . . . | 12 00 | | |
| Jerry O'Brien . . . . | 24 40 | | |
| Thos. O'Hara . . . . | 147 88 | | |
| Thos. H. O'Hara . . . | 53 25 | | |
| David O'Mara . . . . | 96 38 | | |
| Michael O'Sullivan . . | 34 50 | | |
| Mrs. Louisa Quin . . . | 196 50 | | |
| Dennis Shea . . . . | 400 00 | | |
| Mrs. Mary Shea . . . | 10 50 | | |
| Michael J. Shea . . . | 85 50 | | |
| B. F. St. George . . . | 122 25 | | |
| Jeremiah Sullivan . . . | 12 00 | | |
| Peter Tumilty . . . . | 10 50 | | |
| | | 2,897 93 | |
| *Amounts carried forward* . | | $190,758 26 | $348,000 00 |

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|---|---|---|---|
| *Amounts brought forward* . | | $190,758 26 | $348,000 00 |
| For Telegraph, Western Union Telegraph Co. . . . . | | 88 | |
| Telephone rent . . . . | | 46 50 | |
| Trees: — | | | |
| Wm. F. Bassett & Son . | $110 31 | | |
| Ellwanger & Barry . . | 17 60 | | |
| R. & J. Farquhar & Co. | 34 75 | | |
| Framingham Nursery Co. | 51 00 | | |
| F. H. Horsford . . . | 31 80 | | |
| Hoopes Bros. & Thomas . | 52 90 | | |
| Jacob W. Manning . . | 131 05 | | |
| Thomas Meehan & Sons . | 82 80 | | |
| Samuel C. Moor . . . | 10 10 | | |
| Newton Cemetery . . . | 286 82 | | |
| Parson & Sons . . . | 217 30 | | |
| F. G. Pratt . . . . | 74 35 | | |
| Leonard W. Ross . . | 221 50 | | |
| Shady Hill Nurseries . . | 197 10 | | |
| W. H. Wyman & Co. . | 73 30 | | |
| | | 1,592 68 | |
| Type-writer supplies, J. Hildreth & Co. . . . | | 2 00 | |
| Type-writing, George B. French . . . . . | | 10 75 | |
| Wooden Conduit, N. E. Telephone Co. . . . . | | 42 00 | |
| Work on Flag-staffs: — | | | |
| David Cass . . . . . | $94 40 | | |
| H. Pigeon & Sons . . | 169 00 | | |
| | | 263 40 | |
| Total . . . . . | | | 192,716 47 |
| Balance unexpended . . | | | $155,283 53 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Services of Supt. and Clerks | $ 2,690 12 |
| " " Engineers . . | 2,674 10 |
| " " Landscape Architects . . . . . | 2,592 41 |
| *Amount carried forward* . | $7,956 63 |

| | | |
|---|---|---|
| *Amount brought forward* . | $7,956 63 | |
| For Carpentry . . . . . | 1,146 06 | |
| Filling, loam and manure . | 37,491 10 | |
| Labor . . . . . | 17,470 62 | |
| Lands . . . . . | 76,911 13 | |
| Miscellaneous . . . . | 3,871 68 | |
| Paving . . . . . | 2,490 63 | |
| Sea-wall . . . . . | 39,989 45 | |
| Stationery and Printing . | 898 56 | |
| Teaming . . . . . | 2,897 93 | |
| Trees and Shrubs . . . | 1,592 68 | |
| | $192,716 47 | |

**Park Department (Maintenance, Interest).**

| | | |
|---|---|---|
| Appropriation . . . . . | | $14,400 00 |
| EXPENDED. | | |
| For Coupons . . . . . | $14,060 00 | |
| Total . . . . . | | 14,060 00 |
| Balance unexpended . . | | $340 00 |

**Park Sinking Fund.**

| | | |
|---|---|---|
| Appropriation . . . . . | | $7,200 00 |
| EXPENDED. | | |
| For amount required by City Ordinance for payment of debt . . . . . | | $7,200 00 |

**Park Department (Shade Trees and Public Grounds).**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $8,500 00 |
| RECEIVED. | | | |
| From Sundry sources . . . | | $35 37 | |
| EXPENDED. | | | |
| For Salaries of | | | |
| Foreman, Jas. Doherty . | $799 10 | | |
| Assistant Foreman, John F. Donnelly . . . . . | 423 38 | | |
| Labor, as per pay-rolls . . | 4,162 88 | | |
| | | $5,385 36 | |
| *Amounts carried forward* . | | $5,385 36 | $8,500 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $5,385 36 | $8,500 00 |
| For Bricks: — | | | |
| Street Dept. Paving . . | $139 60 | | |
| W. G. Nash . . . . | 7 20 | | |
| | | 146 80 | |
| Carpentry, John Quin . . | | 18 61 | |
| Coal Tar, Cambridge Gas Light Co. . . . . | | 3 75 | |
| Damages, Miss H. M. Simpson . . . . . | | 3 00 | |
| Decorating, Lee L. Powers | | 18 00 | |
| Drags, John Quin . . . | | 19 15 | |
| Flag-staffs and repairs, David Cass . . . . | | 40 25 | |
| Gun carriages, W. Fillmore & Co. . . . . | | 107 00 | |
| Gravel, John Gallivan . . | | 11 55 | |
| Glazing, Painting: — | | | |
| J. L. P. Ackers . . . | $20 00 | | |
| Geo. W. Stacy . . . | 1 25 | | |
| | | 21 25 | |
| Hardware, tools, etc.: — | | | |
| Ames Plow Co. . . . | $474 19 | | |
| Burditt & Bynner . . | 398 92 | | |
| | | 873 11 | |
| Harness and repairs, Hugh McCaffrey . . . . . | | 7 65 | |
| Horse board, Street Dept. Maintenance . . . . | | 130 00 | |
| Horse-shoeing, Street Dept. Maintenance . . . . | | 19 25 | |
| Ladder, C. W. H. Moulton & Co. . . . . | | 10 50 | |
| Lumber, George W. Gale Lumber Co. . . . . | | 13 80 | |
| Manure: — | | | |
| S. Gustafsen . . . . | $6 00 | | |
| Thomas O'Hara . . . | 22 25 | | |
| *Amounts carried forward* . | $28 25 | $6,829 03 | $8,500 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $28 25 | $6,829 03 | $8,500 00 |
| For Manure : — | | | |
| David O'Mara . . . | 108 75 | | |
| Michael O'Sullivan . . | 22 25 | | |
| | | 159 25 | |
| Repairing Fence, M. Casey | | 8 00 | |
| Repairing Tools : — | | | |
| Daniel J. Sullivan . . | $4 25 | | |
| Street Dept. Maintenance | 2 15 | | |
| | | 6 40 | |
| Signs : — | | | |
| Clifford Hunting . . . | $2 00 | | |
| John Quin . . . . . | 1 85 | | |
| | | 3 85 | |
| Stone : — | | | |
| Mass. Broken Stone Co. | $30 55 | | |
| David O'Mara . . . | 36 25 | | |
| | | 66 80 | |
| Stone Coping, Simpson Bros. . . . . | | 574 77 | |
| Teaming : — | | | |
| Peter Burns . . . . | $13 50 | | |
| James Culhane . . . | 15 75 | | |
| John Gallivan . . . . | 148 50 | | |
| Charles Linehan . . . | 18 00 | | |
| Thomas O'Hara . . . | 27 00 | | |
| Thomas H. O'Hara . . | 50 63 | | |
| David O'Mara . . . | 123 75 | | |
| Michael O'Sullivan . . | 4 50 | | |
| Dennis Shea . . . . | 45 00 | | |
| Mrs. Mary Shea . . . | 31 50 | | |
| Peter Tumilty . . . . | 5 25 | | |
| | | 483 38 | |
| Trees, plants : — | | | |
| Wm. E. Doyle . . . | $100 00 | | |
| R. & J. Farquhar & Co. | 61 25 | | |
| Jackson & Perkins . . | 22 45 | | |
| L. W. Ross & Co. . . | 74 00 | | |
| Shady Hill Nurseries . | 109 40 | | |
| | | 367 10 | |
| Total . . . . . | | | 8,498 58 |
| Balance unexpended . . | | | $1 42 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Bricks | $146 80 |
| Care of Horse | 156 90 |
| Gun carriages | 107 00 |
| Hardware, Tools, etc. | 890 01 |
| Labor | 5,385 36 |
| Manure | 159 25 |
| Miscellaneous | 149 66 |
| Stone Coping | 574 77 |
| Stone and Gravel | 78 35 |
| Teaming | 483 38 |
| Trees, Shrubs, etc. | 367 10 |
| | $8,498 58 |

## Park Department.

In account with the City of Cambridge for the year ending Nov. 30th, 1895.

RECEIPTS AND EXPENDITURES.

| | | | |
|---|---|---|---|
| Balance in the City Treasury, to the credit of the Park Dept. Nov. 30th, 1894 | $128,940 97 | Expended for:— Construction | $192,716 47 |
| Revenue from sale of bonds | 100,000 00 | Maintenance | 8,498 58 |
| Premiums | 14,380 00 | Interest | 14,060 00 |
| Accrued Interest | 455 56 | Sinking Fund | 7,200 00 |
| Rents, Sales, etc. | 3,127 84 | Balance carried forward | 24,429 32 |
| | $246,904 37 | | $246,904 37 |

## Plumbers' Examiners Department.

| | |
|---|---|
| Appropriation | $100 00 |
| Additional Appropriation | 53 81 |
| | $153 81 |

RECEIVED.

| | |
|---|---|
| For licenses | $45 00 |

EXPENDED.

| | | |
|---|---|---|
| For Clerical assistance, H. M. Griffin | $15 00 | |
| Printing, Jas. H. Cox | 6 00 | |
| *Amounts carried forward* | $21 00 | $153 81 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $21 00 | $153 81 |
| For Services, John Crawford | | 90 00 | |
| Supplies, John Crawford . | | 11 39 | |
| Tools and stock, Herbert L. Rose . . . . . | | 31 42 | |
| Total . . . . . | | | $153 81 |

**Police Department.**

| | | |
|---|---|---|
| Appropriation . . . . . | | $111,000 00 |
| Transferred to Incidental Expenses . . . . | | 200 00 |
| | | $110,800 00 |

RECEIVED.

| | | |
|---|---|---|
| For Cloth for Uniforms . . | $475 89 | |
| Court Fees . . . . . | 5,890 15 | |
| Fines . . . . . | 1,736 00 | |
| | $8,102 04 | |

EXPENDED.

| | | | |
|---|---|---|---|
| For Salaries of | | | |
| Chief, L. J. Cloyes . . . | $1,800 00 | | |
| Captains: — | | | |
| M. J. Folsom . . . . | 1,349 28 | | |
| T. H. Lucy . . . . . | 1,349 28 | | |
| J. F. Murray . . . . | 1,349 28 | | |
| Court officer, W. F. Batchelder . . . . . | 1,186 25 | | |
| Inspector, J. E. Murray . | 1,200 00 | | |
| Sergeants . . . . . | 8,094 38 | | |
| Patrolmen . . . . . | 84,796 29 | | |
| Drivers . . . . . | 3,278 15 | | |
| Matrons . . . . . | 730 00 | | |
| | | $105,132 91 | |
| Advertising . . . . . | | 3 13 | |
| Buttons, D. Evans & Co. . | | 45 00 | |
| Carriage hire, C. W. Dailey | | 15 00 | |
| Car tickets, W. E. St. Railway Co. . . . . | | 200 00 | |
| *Amounts carried forward* | | $105,396 04 | $110,800 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $105,396 04 | $110,800 00 |
| For Cash for Sundries: — | | | |
| L. J. Cloyes . . . . | $43 03 | | |
| M. J. Folsom . . . . | 28 30 | | |
| T. H. Lucy . . . . . | 34 15 | | |
| J. E. Murray . . . . | 28 25 | | |
| J. F. Murray . . . . | 30 64 | | |
| | | 164 37 | |
| Chevrons and devices, S. O. Aborn . . . . . | | 11 00 | |
| Cleaning Station, Anna Freeman . . . . . | | 120 00 | |
| Cloth for Uniforms, Wendell, Fay & Co. . . . | | 453 14 | |
| Directories . . . . . | | 23 00 | |
| Disinfectants: — | | | |
| J. F. Fuller & Co. . . | $13 50 | | |
| Columbian Insecticide Co. | 7 50 | | |
| | | 21 00 | |
| Expressage . . . . . | | 6 45 | |
| Furniture and repairs: — | | | |
| Phillips Bros. & Co. . . | $25 00 | | |
| Rourke & Kennedy . . | 27 05 | | |
| | | 52 05 | |
| Hardware and Supplies: — | | | |
| J. M. Price & Son . . | $9 18 | | |
| Brock Bros. . . . . | 7 90 | | |
| Burditt & Bynner . . . | 139 30 | | |
| Wm. Read & Son . . . | 13 06 | | |
| F. A. White . . . . | 1 60 | | |
| | | 171 04 | |
| Harness and Repairs . . | | 19 65 | |
| Hay and Grain: — | | | |
| J. S. Brādeen . . . . | $88 78 | | |
| A. G. Dore & Co . . . | 312 24 | | |
| F. P. Merrill . . . . | 4 00 | | |
| | | 405 02 | |
| *Amounts carried forward* . | | $106,842 76 | $110,800 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $106,842 76 | $110,800 00 |
| For Horse Board : — | | | |
| C. W. Dailey . . . . . | $15 55 | | |
| Whiting & Smith . . . | 328 00 | | |
| | | 343 55 | |
| Horse-shoeing and clipping :— | | | |
| Wm. Balmer . . . . | $41 00 | | |
| T. Burke . . . . . | 35 13 | | |
| J. Smith . . . . . | 15 00 | | |
| T. Smith . . . . . | 41 00 | | |
| | | 132 13 | |
| Ice, Fresh Pond Ice Co. . | | 26 99 | |
| Lighting Stations : — | | | |
| Cambridge Elec. Lt. Co. | $48 00 | | |
| Cambridge Gas Lt. Co. | 1,392 69 | | |
| | | 1,440 69 | |
| Lighting Apparatus, etc. : — | | | |
| Boston Gas App. Ex. . | $11 75 | | |
| Geo. F. Dickson . . . | 19 32 | | |
| Hoyt Inspection Co. . . | 7 00 | | |
| | | 38 07 | |
| Photos . . . . . | | 9 50 | |
| Police Signal supplies and repairs : — | | | |
| N. E. Gamewell Co. . . | $183 09 | | |
| Nat'l Tel. Mfg. Co. . . | 261 50 | | |
| U.S. Fire & Police Tel.Co. | 18 00 | | |
| Inspection of Wires Dept. | 75 00 | | |
| | | 537 59 | |
| Professional attendance and medicines . . . . . | | 11 10 | |
| Procuring evidence : — | | | |
| Chas. H. Presho . . . | $33 65 | | |
| J. C. Temple . . . . | 8 85 | | |
| | | 42 50 | |
| Stationery and Printing : — | | | |
| Cashman, O'Connor & Co. | $6 60 | | |
| Cotton & Gould . . . | 121 88 | | |
| James H. Cox . . . . | 1 75 | | |
| Lombard & Caustic . . | 47 75 | | |
| Poole Printing Co. . . | 90 70 | | |
| *Amounts carried forward* . | $268 68 | $109,424 88 | $110,800 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $268 68 | $109,424 88 | $110,800 00 |
| For Stationery and Printing: — | | | |
| Pulsifer, Jordan & Co. . | 95 02 | | |
| Stationery Dept. . . . | 45 74 | | |
| | | 409 44 | |
| Sundry supplies and repairs | | 98 33 | |
| Telephone rent and tolls . | | 556 70 | |
| Use of Bicycle, Edw. J. Welch . . . . . | | 10 00 | |
| Wagon repairs: — | | | |
| Chas. Waugh & Co. . . | $279 87 | | |
| A. J. Jones . . . . | 5 00 | | |
| | | 284 87 | |
| Total . . . . . | | | 110,784 22 |
| Balance unexpended . . | | | $15 78 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Salaries . . . . . | $105,132 91 |
| Car tickets and Carriage hire | 215 00 |
| Care of Horses, board, etc. | 900 35 |
| Care of Station 3 . . . | 120 00 |
| Cloth, Buttons, Chevrons and Devices . . . . | 509 14 |
| Furniture and Furnishings . | 223 09 |
| Lighting Stations . . . | 1,478 76 |
| Miscellaneous . . . . . | 416 37 |
| Police Signal supplies and repairs . . . . . | 537 59 |
| Stationery and Printing . | 409 44 |
| Telephone rent and tolls . | 556 70 |
| Wagon repairs . . . . | 284 87 |
| | $110,784 22 |

## Public Library Department.

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $16,500 00 |
| RECEIVED. | | | |
| For fines and catalogues . . | | $450 48 | |
| Dog licenses for 1894 . . | | 4,046 63 | |
| | | $4,497 11 | |
| EXPENDED. | | | |
| For Salaries of | | | |
| Librarian, Wm. L. R. Gifford | $1,499 95 | | |
| Assistants . . . . . | 4,158 38 | | |
| Janitors : — | | | |
| T. M. Thomas . . . . | 1,042 86 | | |
| Arthur Jewell . . . . | 20 00 | | |
| | | $6,721 19 | |
| Advertising, F. Stanhope Hill . . . . . | | 21 75 | |
| Binding : — | | | |
| E. W. Bettinson . . . | $539 46 | | |
| F. A. Bradley . . . . | 63 00 | | |
| David Farquhar . . . | 26 75 | | |
| Ezra Marble . . . . | 4 25 | | |
| John H. H. McNamee . | 591 99 | | |
| National Binder Co. . . | 17 87 | | |
| | | 1,243 32 | |
| Books and Periodicals : — | | | |
| Amee Bros. . . . . | $472 76 | | |
| D. Appleton & Co. . . | 18 87 | | |
| N. R. Campbell & Co. . | 10 50 | | |
| J. W. Cadby . . . . | 47 03 | | |
| T. H. Castor & Co. . . | 18 95 | | |
| S. H. Chadbourne . . | 15 25 | | |
| W. B. Clark & Co. . . | 1,522 12 | | |
| Estes & Lauriat . . . | 9 02 | | |
| W. M. Griswold . . . | 37 25 | | |
| C. A. Koehler & Co. . | 20 90 | | |
| Wm. C. Lane . . . . | 261 00 | | |
| Little, Brown & Co. . . | 2,256 56 | | |
| G. E. Littlefield . . . | 97 20 | | |
| Mass. Hist. Society . . | 38 00 | | |
| *Amounts carried forward* . | $4,825 41 | $7,986 26 | $16,500 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $4,825 41 | $7,986 26 | $16,500 00 |
| For Books and Periodicals: — | | | |
| Jos. McDonough . . . | 31 50 | | |
| J. B. Millet & Co. . . | 10 00 | | |
| C. A. Nichols . . . . | 12 00 | | |
| Publishers' Weekly . . | 12 50 | | |
| G. P. Putnam's Sons . | 10 00 | | |
| Rand, McNally & Co. . | 13 50 | | |
| Sundry persons . . . | 44 02 | | |
| | | 4,958 93 | |
| Cash for Sundries: — | | | |
| W. L. R. Gifford . . . | $75 31 | | |
| Etta L. Russell . . . | 22 07 | | |
| | | 97 38 | |
| Delivery of books: — | | | |
| Wm. B. Cade. . . . | $418 11 | | |
| M. I. Dow . . . . . | 35 00 | | |
| E. C. Gove . . . . . | 35 00 | | |
| H. M. Grant . . . . | 35 00 | | |
| J. W. Hunnewell . . . | 58 33 | | |
| L. W. Reycroft . . . | 50 00 | | |
| Edw. Thorndike . . . | 60 00 | | |
| | | 691 44 | |
| Electrical work, F. Bryant & Co. . . . . | | 155 91 | |
| Expressage, Sawin's Express . . . . . | | 34 50 | |
| Fuel: — | | | |
| Richardson & Bacon . . | $304 56 | | |
| David Proudfoot & Co. . | 195 14 | | |
| | | 499 70 | |
| Hardware, tools and supplies . . . . . | | 89 13 | |
| Ice, Fresh Pond Ice Co. . | | 17 13 | |
| Lights: — | | | |
| Cambridge Electric Light Co . . . . . | $1,243 36 | | |
| Cambridge Gas Light Co. | 11 05 | | |
| | | 1,254 41 | |
| *Amounts carried forward* . | | $15,784 79 | $16,500 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $15,784 79 | $16,500 00 |
| For Lamps: — | | | |
| Beacon Lamp Co. . . | $45 00 | | |
| Thompson-Brown Elec. Co. . . . . | 19 36 | | |
| | | 64 36 | |
| Repairs: — | | | |
| Carpentry . . . . . | $24 73 | | |
| Plumbing . . . . . | 16 41 | | |
| Roof . . . . . | 17 76 | | |
| | | 58 90 | |
| Signs, J. E. Steffens . . | | 27 00 | |
| Stamps and repairs, H. C. Dimond & Co. . . . . | | 17 79 | |
| Stationery and Printing: — | | | |
| Cashman, O'Connor & Co. | $8 52 | | |
| Library Bureau . . . | 84 32 | | |
| Samuel Ward Co. . . . | 10 75 | | |
| Thorp & Martin Co. . . | 18 88 | | |
| E. W. Wheeler . . . | 338 70 | | |
| Sundry persons . . . | 26 66 | | |
| | | 487 83 | |
| Type-writer repairs, Hammond Co. . . . . | | 39 38 | |
| Total . . . . . | | | 16,480 05 |
| Balance unexpended . . | | | $19 95 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Services of sundry persons | $6,721 19 |
| Books, periodicals, etc. . | 6,202 25 |
| Delivery of books . . . | 691 44 |
| Fuel and lights . . . . | 1,818 47 |
| Miscellaneous . . . . | 558 87 |
| Stationery and Printing . | 487 83 |
| | $16,480 05 |

## Public Library Building.

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $4,850 00 |
| EXPENDED. | | | |
| For Building Contract, M. N. Stearns . . . . . | | $4,095 00 | |
| Carpentry: — | | | |
| W. H. Norris . . . . | $8 79 | | |
| John Quin . . . . . | 167 20 | | |
| | | 175 99 | |
| Clocks, Daniel Pratt's Sons | | 29 65 | |
| Electrical work, F. Bryant & Co. . . . . | | 186 48 | |
| Furniture and Furnishings: — | | | |
| Derby, Kilmer & Pond . | $29 52 | | |
| Jordan, Marsh & Co. . | 2 93 | | |
| John Quin . . . . . | 30 00 | | |
| M. F. Tracy & Son . . | 12 00 | | |
| | | 74 45 | |
| Lighting Apparatus: — | | | |
| N. W. Turner Co. . . | $12 00 | | |
| G. F. Dickson . . . . | 6 21 | | |
| | | 18 21 | |
| Tools, S. C. Higgins . . | | 5 00 | |
| Total . . . . . | | | 4,584 78 |
| Balance unexpended . . | | | $265 22 |

## Public Property (City Buildings, Care and Repair).

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $21,000 00 |
| Additional appropriation . . . . . | | | 519 08 |
| | | | $21,519 08 |
| RECEIVED. | | | |
| For old Lumber and Furniture | | $12 00 | |
| Rents: — | | | |
| Armories . . . . . | $800 00 | | |
| District Court Rooms . | 450 00 | | |
| Old Bridge School House | 45 00 | | |
| Rooms, old City Hall . | 550 00 | | |
| *Amounts carried forward* . | $1,845 00 | $12 00 | $21,519 08 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $1,845 00 | $12 00 | $21,519 08 |
| For Rents: — | | | |
| Rooms, Ward One Building . . . . . | 6 00 | | |
| Water Works, office, etc. | 2,000 00 | | |
| | | 3,851 00 | |
| Sale of Buildings . . . | | 42 00 | |
| Sale of old City Hall . . | | 22,898 00 | |
| | | $26,803 00 | |

EXPENDED.

| | | | |
|---|---|---|---|
| For salaries of janitors . . | | $9,829 38 | |
| Care of clock: — | | | |
| Chas H. Chandler . . | $13 00 | | |
| J. B. Mace . . . . | 6 50 | | |
| H. S. Woodworth . . | 8 00 | | |
| | | 27 50 | |
| Expenses, clearing title of old City Hall . . . . | | 69 29 | |
| Fuel: — | | | |
| Baker-Hunnewell Co. . | $1,669 29 | | |
| L. G. Burnham & Co. . | 232 10 | | |
| Coleman Bros. . . . | 667 01 | | |
| P. F. Gayton & Co. . . | 22 30 | | |
| Weighing, H. W. Brooks | 8 90 | | |
| | | 2,599 60 | |
| Inspecting boilers, Thomas Hawley . . . . . | | 22 00 | |
| Inspecting meters, Hoyt Inspection Co. . . . . | | 10 50 | |
| Lights: — | | | |
| Cambridge Electric Light Co. . . . . | $1,704 18 | | |
| Cambridge Gas Light Co. | 1,195 16 | | |
| | | 2,899 34 | |
| Plans, Robert J. Fitzgerald | | 12 00 | |
| Use of Chairs, Pettingell & Pear . . . . . | | 24 00 | |
| *Amounts carried forward* . | | $15,493 61 | $21,519 08 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $15,493 61 | $21,519 08 |
| For Repairs and alterations : — | | | |
| Carpentry : — | | | |
| W. Fillmore & Co. . | $185 61 | | |
| Thomas S. Hall . . | 54 57 | | |
| W. H. Norris . . . | 2,079 60 | | |
| F. J. Ormand . . . | 15 27 | | |
| John Quin . . . . | 79 53 | | |
| I. B. Rice . . . . | 100 25 | | |
| Sundry Persons . . | 6 03 | | |
| | | 2,520 86 | |
| Cleaning carpets, John H. Kelsey . . . . . | | 8 77 | |
| Clock repairs : — | | | |
| A. J. Applegate . . | $9 50 | | |
| F. A. Colburn . . . | 1 75 | | |
| | | 11 25 | |
| Electrical repairs : — | | | |
| Edmund Lincoln . . | $29 40 | | |
| Sundry Persons . . | 10 68 | | |
| | | 40 08 | |
| Elevator repairs, Whittier Machine Co. . . . | | 28 52 | |
| Furniture repairs : — | | | |
| F. M. Eaton . . . | $5 90 | | |
| John H. Kelsey . . | 6 25 | | |
| Sundry Persons . . | 4 00 | | |
| | | 16 15 | |
| Heating apparatus repairs : — | | | |
| G. F. Blake Mfg. Co. | $24 88 | | |
| Wm. Fitzgerald . . | 34 78 | | |
| Greene & Co. . . . | 328 09 | | |
| McGahey & Byrne . | 10 90 | | |
| Roberts Iron Works Co. | 75 62 | | |
| Walworth Mfg. Co. . | 14 25 | | |
| Sundry Persons . . | 8 52 | | |
| | | 497 04 | |
| Masonry, Stearn and Waterman . . . . | | 48 71 | |
| *Amounts carried forward* . | | $18,664 99 | $21,519 08 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $18,664 99 | $21,519 08 |
| For Repairs and Alterations : — | | | |
| Painting, glazing, etc. : — | | | |
| J. L. P. Ackers . . | $438 48 | | |
| Duffy Bros. . . . . | 30 00 | | |
| W. B. Holt . . . . | 30 25 | | |
| Chas. A. Sawyer . . | 153 95 | | |
| J. H. and J. P. Thayer & Co. . . . . | 26 10 | | |
| F. H. Tufts . . . . | 16 25 | | |
| Sundry persons . . . | 16 04 | | |
| | | 711 07 | |
| Paving, City of Cambridge, Street Dept. . | $249 91 | | |
| H. T. Soper . . . . | 94 74 | | |
| | | 344 65 | |
| Plumbing : — | | | |
| Brock Bros. . . . . | $6 12 | | |
| E. W. Clark . . . | 360 64 | | |
| Levi Hawkes . . . | 27 29 | | |
| John J. Long . . . | 40 84 | | |
| H. L. Rose . . . . . | 98 02 | | |
| | | 532 91 | |
| Putting up awnings, Jas. Martin & Son . . . | | 6 00 | |
| Roof repairs : — | | | |
| John J. Blevins . . | $5 30 | | |
| H. F. Peak . . . . | 52 17 | | |
| David Young . . . | 8 20 | | |
| | | 65 67 | |
| Sundries . . . . . | | 8 75 | |
| Supplies : — | | | |
| Boxes, Chas. Place . . | | 7 32 | |
| Brushes, brooms, dusters : — | | | |
| Chas. A. Austin & Co. | $13 67 | | |
| F. M. Eaton . . . | 3 00 | | |
| | | 16 67 | |
| Bronze rails, Collins & Richards . . . . . | | 90 00 | |
| *Amounts carried forward* . | | $20,448 03 | $21,519 08 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $20,448 03 | $21,519 08 |
| For Supplies : — | | | |
| Disinfectants : — | | | |
| W. F. Braman . . . | $1 00 | | |
| C. W. Lerned & Co. | 12 50 | | |
| | | 13 50 | |
| Electrical Supplies, Pettingell, Andrews Co . | | 8 68 | |
| Furniture and Furnishings :— | | | |
| Cotton & Gould . . | $12 00 | | |
| Derby, Kilmer & Pond | 38 00 | | |
| James Furfey . . . | 16 02 | | |
| Keeler & Co. . . . | 226 00 | | |
| Phillips Bros. & Co. . | 42 75 | | |
| Geo. H. Richter & Co. | 39 87 | | |
| Rourke & Kennedy . | 29 00 | | |
| Rourke & Moules . . | 12 50 | | |
| Sundry Persons . . . | 8 63 | | |
| | | 424 77 | |
| Hardware, tools and supplies : — | | | |
| Boston Electric Co. . | $23 00 | | |
| Burditt and Bynner . | 65 94 | | |
| W. A. Morrison . . | 14 50 | | |
| Walworth Mfg. Co. . | 5 33 | | |
| F. A. White . . . . | 25 32 | | |
| Sundry persons . . . | 10 96 | | |
| | | 145 05 | |
| Ice, Fresh Pond Ice Co. . | | 61 69 | |
| Ladders, C. W. H. Moulton & Co. . . . . | | 6 00 | |
| Lighting apparatus : — | | | |
| John P. Adams . . . | $3 00 | | |
| Boston Electric Co. . | 6 40 | | |
| Boston Gas Appliance Exchange . . . . | 42 18 | | |
| Thompson-Brown Electric Co. . . . . | 76 10 | | |
| | | 127 68 | |
| *Amounts carried forward* . | | $21,235 40 | $21,519 08 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $21,235 40 | $21,519 08 |
| For Supplies: — | | | |
| Lumber, Sewall, Adams & Co. . . . . | | 18 00 | |
| Oil: — | | | |
| E. Howard Watch Co. | $1 00 | | |
| E. Morris . . . . | 59 22 | | |
| Standard Oil Co. . . | 9 75 | | |
| | | 69 97 | |
| Packing, Lubron Mfg. Co. | | 33 53 | |
| Powder, Eagle Chemical Co. . . . . | | 12 90 | |
| Savogran, India Alkali Works . . . . . | | 7 54 | |
| Sign, John H. Lamson . | | 35 00 | |
| Soap: — | | | |
| Fels & Co. . . . . | $9 00 | | |
| Frank H. Teele . . . | 8 25 | | |
| | | 17 25 | |
| Sundry Supplies: — | | | |
| Wm. H. Claflin & Co. | $28 00 | | |
| Cotton & Gould . . | 10 00 | | |
| Daniel H. Dean . . . | 11 25 | | |
| Diamond Match Co. . | 5 25 | | |
| D. W. Hyde & Co. . | 14 09 | | |
| Chas. Munroe . . . | 17 39 | | |
| Sundry Persons . . . | 3 51 | | |
| | | 89 49 | |
| Total . . . . . | | | $21,519 08 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Janitors, Engineers, etc. | $9,829 38 |
| Fuel . . . . . | 2,599 60 |
| Lights . . . . . | 2,899 34 |
| Repairs . . . . . | 4,981 75 |
| Supplies . . . . . | 1,209 01 |
| | $21,519 08 |

## Public Property (Incidentals).

| | | |
|---|---|---|
| Appropriation | | $5,000 00 |
| Additional Appropriation | | 77 86 |
| | | $5,077 86 |

EXPENDED.

| | | | |
|---|---|---|---|
| For salaries of | | | |
| Supt. of Buildings: — | | | |
| Wm. H. Gray. | $1,692 61 | | |
| Benj. H. Steele | 134 25 | | |
| Inspectors: — | | | |
| Wm. A. Ford | 1,000 59 | | |
| Jas. W. Emery | 608 28 | | |
| Clerks: — | | | |
| Lillian W. Hyde | 108 25 | | |
| Eben W. Pike | 145 70 | | |
| | | $3,689 68 | |
| Advertising | | 4 60 | |
| Care of Horse: — | | | |
| C. W. Dailey | $251 25 | | |
| G. D. Merrill & Co. | 25 00 | | |
| | | 276 25 | |
| Brushes, A. Worcester & Sons | | 11 00 | |
| Care and repair of tower clocks: — | | | |
| C. H. Chandler | $13 00 | | |
| A. K. Jones | 52 00 | | |
| J. B. Mace | 19 50 | | |
| Geo. M. Stevens | 7 38 | | |
| H. S. Woodworth | 24 00 | | |
| | | 115 88 | |
| Carriage Hire: — | | | |
| C. W. Dailey | $1 00 | | |
| J. E. Fabyan | 15 00 | | |
| Lake & Moynahan | 24 50 | | |
| F. E. Newgent & Co. | 7 00 | | |
| John Nixon | 6 00 | | |
| Whiting & Smith | 14 00 | | |
| | | 67 50 | |
| *Amounts carried forward* | | $4,164 91 | $5,077 86 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $4,164 91 | $5,077 86 |
| For Carriage repairs, Chas. Waugh & Co. . . . . | | 35 00 | |
| Car tickets, W. E. St. Railway Co. . . . . | | 120 00 | |
| Dinners, M. R. Jones . . | | 8 00 | |
| Horse-shoeing, Wm. Balmer . . . . . | | 31 50 | |
| Robe, Jordan, Marsh & Co. | | 7 50 | |
| Shooting Range: — | | | |
| Hire of Targets, etc. . | $400 00 | | |
| Rent of Land . . . . | 60 00 | | |
| | | 460 00 | |
| Stationery and Printing: — | | | |
| Cambridge Chronicle Co. | $71 77 | | |
| Cashman, O'Connor & Co. | 8 30 | | |
| Cotton & Gould . . . | 28 25 | | |
| James H. Cox . . . . | 20 25 | | |
| Lewis J. Hewitt . . . | 8 50 | | |
| Jennings & Welch . . | 40 50 | | |
| Stationery Dept. . . . | 34 66 | | |
| L. F. Weston . . . . | 7 00 | | |
| | | 219 23 | |
| Sundries . . . . . | | 31 72 | |
| Total . . . . . | | | $5,077 86 |

**Public Property (New Engine House, Ward Two).**

| | |
|---|---|
| Appropriation . . . . . | $12,000 00 |
| Additional Appropriation . . . . . | 3,000 00 |
| | $15,000 00 |

EXPENDED.

| | | |
|---|---|---|
| For Architects' Services, Fitzgerald & Mitchell . . . | $56 20 | |
| Brass Hinges, W. H. Norris | 47 75 | |
| Carpentry, John Quin . . | 4,060 43 | |
| Door checks, C. Callahan Co. . . . . | 27 00 | |
| *Amounts carried forward* . | $4,191 38 | $15,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $4,191 38 | $15,000 00 |
| For Electrical work, Inspection of Wires . . . . | | 200 00 | |
| Fixtures, N. W. Turner Co. | | 72 25 | |
| Fuel : — | | | |
| Baker-Hunnewell Co. . | $66 90 | | |
| Geo. M. Smith . . . | 73 36 | | |
| | | 140 26 | |
| Grading and sodding, Thos. O'Hara . . . . . | | 240 00 | |
| Granite flagging, S. & R. J. Lombard . . . . . | | 40 80 | |
| Hardware, J. B. Hunter & Co. . . . . | | 280 00 | |
| Heating and ventilating, S. C. Higgins . . . . . | | 908 50 | |
| Insurance, Cambridge Mutual Fire Insurance Co. . | | 56 00 | |
| Judgments of Court : — | | | |
| Stephen B. Cutter . . | $75 39 | | |
| Lawrence Doyle . . . | 207 65 | | |
| Gipson & Knight . . . | 1,044 89 | | |
| John McLoughlin . . . | 65 45 | | |
| Andrew Stryer . . . . | 36 90 | | |
| | | 1,430 28 | |
| Labor, J. H. McClellan . | | 4 69 | |
| Labor, as per pay-rolls . . | | 173 37 | |
| Masonry, Gipson & Knight | | 1,780 34 | |
| Mechanics' Liens :— | | | |
| Wm. J. Griffiths . . . | $827 79 | | |
| H. L. Rose . . . . . | 258 82 | | |
| Wm. H. Toombs . . . | 39 74 | | |
| | | 1,126 35 | |
| Paving blocks, Street Dept. | | 290 62 | |
| Painting, Chas. E. McMenimen . . . . . | | 413 50 | |
| Pipe, Burditt & Bynner . . | | 4 65 | |
| Plumbing, Herbert L. Rose | | 997 00 | |
| *Amounts carried forward* . | | $12,349 99 | $15,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $12,349 99 | $15,000 00 |
| For Repairs, Cambridge Gas Light Co. . . . . | | 4 84 | |
| Repairing tools, James Maitland . . . . . | | 34 15 | |
| Roofing : — | | | |
| Penn. Iron Roofing and Corrugating Co. . . | $194 00 | | |
| E. Van Noorden & Co. . | 275 85 | | |
| | | 469 85 | |
| Services of fireman, S. C. Higgins . . . . . | | 576 45 | |
| Stalls, Lynn Stall Co. . . | | 110 30 | |
| Stone, Austin Ford & Son . | | 377 43 | |
| Stone work, Austin Ford & Son . . . . . | | 49 50 | |
| Teaming, John Gallivan . | | 45 00 | |
| Type-writing, Eben W. Pike | | 6 31 | |
| Total . . . . . | | | 14,023 82 |
| Balance unexpended . . | | | $976 18 |

**Public Property (New Engine House, Ward Three).**

| | |
|---|---|
| Appropriation . . . . . | $17,500 00 |

EXPENDED.

| | | | |
|---|---|---|---|
| For Advertising, James Cox . | | $1 50 | |
| Carpentry, John Quin . . | | 16 00 | |
| Contract, Thos. H. Connell . | | 7,800 00 | |
| Electrical supplies, Pettingell, Andrews Co. . . | | 40 27 | |
| Electrical work, Inspection of wires . . . . . | | 33 00 | |
| Examining title, Wm. V. Thompson . . . . . | | 25 00 | |
| Express, Hatch & Co. . . | | 75 | |
| Insurance, John W. Coveney . . . . . | | 120 00 | |
| *Amounts carried forward* . | | $8,036 52 | $17,500 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $8,036 52 | $17,500 00 |
| For Labor, as per pay-rolls . | | 45 62 | |
| Plans, etc., John E. Muldoon . . . . . | | 200 00 | |
| Removing night soil, R. M. Johnson . . . . . | | 8 00 | |
| Stone, S. & R. J. Lombard | | 79 26 | |
| Total . . . . . | | | 8,369 40 |
| Balance unexpended . . | | | $9,130 60 |

**Public Property (New Engine House, Ward Five).**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $23,000 00 |
| EXPENDED. | | | |
| For Architect, Aaron H. Gould | | $333 38 | |
| Total . . . . . | | | 333 38 |
| Balance unexpended . . | | | $22,666 62 |

**Public Property (New High School).**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $1,275 00 |
| EXPENDED. | | | |
| For Jos. F. Wiggin, Assignee of Estate of James E. Giddings . . . . . | | $1,274 08 | |
| Total . . . . . | | | 1,274 08 |
| Balance unexpended . . | | | $ 92 |

**Public Property (New School House, Ward One).**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $35,000 00 |
| Additional Appropriation . . . . . | | | 4,000 00 |
| | | | $39,000 00 |
| EXPENDED. | | | |
| For Examination of Titles, Wm. V. Thompson . . | | $60 00 | |
| Land: — | | | |
| Frederick P. Fish . . . | $2,738 55 | | |
| L. F. Rice and E. G. Niles | 1,202 79 | | |
| | | 3,941 34 | |
| *Amounts carried forward* . | | $4,001 34 | $39,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $4,001 34 | $39,000 00 |
| For Stone, Austin Ford & Son | | 3 50 | |
| Taxes, Frederick P. Fish . | | 34 27 | |
| Total . . . . . | | | 4,039 11 |
| Balance unexpended . . | | | $34,960 89 |

**Public Property (New School House, Ward Three).**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $35,000 00 |
| Additional appropriation . . . . . | | | 1,300 00 |
| | | | $36,300 00 |
| EXPENDED. | | | |
| For Carpentry, John Quin . | | $10 60 | |
| Contract, Mack & Moore . | | 20,064 00 | |
| Electrical supplies, Pettingell, Andrews Co. . . | | 54 66 | |
| Electrical work:— | | | |
| Inspection of wires . . | $67 45 | | |
| Arthur Jewell . . . . | 10 80 | | |
| | | 78 25 | |
| Plans, C. Herbert McClare | | 800 00 | |
| Total . . . . . | | | 21,007 51 |
| Balance unexpended . . | | | $15,292 49 |

**Public Property (New School House, Ward Five).**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $20,950 00 |
| EXPENDED. | | | |
| For Blackboards, J. A. Swasey | | $150 00 | |
| Bricks, Street Dept., Paving | | 23 00 | |
| Carpentry, W. H. Norris . | | 14 67 | |
| Clocks, A. J. Applegate . | | 30 00 | |
| Contract, W. I. Mabie . . | | 16,069 69 | |
| Extra Work . . . . . | | 1,601 51 | |
| Electric wiring, Edmund Lincoln . . . . . | | 5 40 | |
| *Amounts carried forward* . | | $17,894 27 | $20,950 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $17,894 27 | $20,950 00 |
| For Fences: — | | | |
| Cleveland Wrought Iron Fence Co. . . . . | $246 60 | | |
| W. Fillmore & Co. . . | 209 10 | | |
| | | 455 70 | |
| Furniture, Geo. S. Perry & Co. . . . . | | 1,453 30 | |
| Gong striker, Holtzer-Cabot Elec. Co. . . . . | | 25 00 | |
| Gravel, John Gallivan . . | | 65 00 | |
| Hardware, J. D. Jewett . | | 164 74 | |
| Labor, as per pay-rolls . . | | 201 90 | |
| Plans, C. Herbert McClare . | | 345 36 | |
| Repairs, Cambridge Gas Light Co. . . . . | | 21 16 | |
| Shades, blinds, W. W. Pratt | | 129 50 | |
| Teaming: — | | | |
| Frank Green . . . . | $22 50 | | |
| M. O'Sullivan . . . . | 6 00 | | |
| Dennis Shea . . . . | 51 00 | | |
| | | 79 50 | |
| Wire, Pettingell, Andrews Co. . . . . | | 11 41 | |
| Total . . . . . | | | 20,846 84 |
| Balance unexpended . . | | | $103 16 |

**Public Property (New Shooting Range).**

| | |
|---|---|
| Appropriation . . . . . | $3,200 00 |

EXPENDED.

| | | | |
|---|---|---|---|
| For Advertising, Cambridge Chronicle Co. . . . . | | $1 10 | |
| Carriage hire: — | | | |
| Lake & Moynahan . . | $7 00 | | |
| Frank E. Newgent & Co. | 7 00 | | |
| | | 14 00 | |
| Clearing Land, W. H. Homans . . . . . | | 125 00 | |
| *Amounts carried forward* . | | $140 10 | $3,200 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $140 10 | $3,200 00 |
| For Expenses, George A. Merrill . . . . . | | 3 54 | |
| Examination of Titles, Wm. V. Thompson . . . . | | 35 00 | |
| Lease of Land, Walter H. Homans . . . . . | | 1,200 00 | |
| Total . . . . . | | | 1,378 64 |
| Balance unexpended . . | | | $1,821 36 |

**Public Property (Sanitary Arrangements).**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $4,000 00 |
| Additional Appropriation . . . . . | | | 5,000 00 |
| | | | $9,000 00 |

EXPENDED.

| | | | |
|---|---|---|---|
| For Carpentry: — | | | |
| D. K. Dinsmore . . . | $94 91 | | |
| J. H. Keenan & Co. . . | 11 14 | | |
| W. H. Norris . . . . | 527 19 | | |
| | | $633 24 | |
| Plastering, Wm. J. Heron . | | 24 70 | |
| Plumbing: — | | | |
| E. W. Clark . . . . | $35 00 | | |
| M. F. Davlin & Co. . . | 2,793 36 | | |
| Greene & Co. . . . . | 44 66 | | |
| H. L. Rose . . . . | 2,479 16 | | |
| D. J. Wild & Co. . . | 2,505 70 | | |
| | | 7,857 88 | |
| Slate Partitions, etc., Model Manufacturing Co. . . | | 80 00 | |
| Total . . . . . | | | 8,595 82 |
| Balance unexpended . . | | | $404 18 |

**Public Property (School Houses, Care and Repair).**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $48,000 00 |
| EXPENDED. | | | |
| For Salaries of Janitors . . | | $22,255 28 | |
| Expressage and moving furniture: — | | | |
| P. Biggin . . . . . | $15 25 | | |
| J. R. & C. S. Hersum . | 37 25 | | |
| Savage & Son . . . . | 15 | | |
| | | 52 65 | |
| Fuel: — | | | |
| Baker-Hunnewell Co. . . | $2,241 99 | | |
| L. G. Burnham & Co. . | 335 25 | | |
| Coleman Bros. . . . . | 7,282 15 | | |
| P. F. Gayton & Co. . . | 170 83 | | |
| Weighing, H. W. Brooks | 96 63 | | |
| Superintending Delivery, E. B. Dale . . . . | 50 00 | | |
| | | 10,176 85 | |
| Lights: — | | | |
| Camb. Elec. Light Co. | $671 77 | | |
| Camb. Gas Light Co. | 688 22 | | |
| Repairs . . . . . | 7 77 | | |
| | | 1,367 76 | |
| Removing night soil, R. M. Johnson . . . . . | | 8 00 | |
| Rent: — | | | |
| Bancroft & Griffin . . | $62 50 | | |
| Martin Murphy . . . | 40 00 | | |
| J. F. O'Brien . . . . | 200 00 | | |
| | | 302 50 | |
| Repairs and Alterations: — | | | |
| Carpet Cleaning, Geo. F. Ricker . . . . . | | 1 59 | |
| Carpentry: — | | | |
| John Barker . . . . | $18 84 | | |
| Frank W. Bickford . | 26 01 | | |
| D. K. Dinsmore . . | 15 50 | | |
| I. P. Estes . . . . | 3 75 | | |
| *Amounts carried forward* . | $64 10 | $34,164 63 | $48,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $64 10 | $34,164 63 | $48,000 00 |
| For Repairs and Alterations : — | | | |
| Carpentry : — | | | |
| O. B. French . . . | 127 23 | | |
| Wm. B. Hanscom . . | 20 00 | | |
| Thos. S. Hall . . . | 46 80 | | |
| W. I. Mabie . . . | 34 85 | | |
| C. Mahoney . . . . | 77 01 | | |
| Geo. E. McPhail . . | 10 80 | | |
| W. H. Norris . . . | 1,644 52 | | |
| John Quin . . . . | 405 37 | | |
| I. B. Rice . . . . | 105 68 | | |
| R. & C. G. Wentworth | 5 55 | | |
| | | 2,541 91 | |
| Clock Repairs : — | | | |
| A. J. Applegate . . | $37 00 | | |
| Simon Flaig . . . . | 3 00 | | |
| Jas. W. Marshea . . | 24 00 | | |
| Jas. A. Rice . . . . | 8 00 | | |
| J. P. Shurtleff . . . | 7 00 | | |
| | | 79 00 | |
| Drain repairs, Samuel McCulloch . . . . . | | 95 46 | |
| Electrical work and repairing bells : — | | | |
| F. M. Buffum . . . | $30 20 | | |
| Cambridge Hardware Co. | 1 50 | | |
| Chas. F. Hopewell . . | 7 50 | | |
| Inspection of Wires . | 71 05 | | |
| Edmund Lincoln . . | 14 40 | | |
| Thompson-Brown Electric Co. . . . . | 12 50 | | |
| | | 137 15 | |
| Furniture and Furnishings, repairs : — | | | |
| F. M. Eaton . . . | $15 65 | | |
| H. N. Hovey, Jr. . . | 75 | | |
| J. S. Kenney . . . | 1 50 | | |
| *Amounts carried forward* . | $17 90 | $37,018 15 | $48,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $17 90 | $37,018 15 | $48,000 00 |
| For Repairs and Alterations : — | | | |
| Furniture and Furnishings, Repairs : — | | | |
| T. B. Wentworth . . | 13 60 | | |
| Worcester Bros. . . | 1 00 | | |
| | ——— | 32 50 | |
| Gas-fittings : — | | | |
| G. F. Dickson . . . | $1 50 | | |
| John J. Long . . . | 60 04 | | |
| | ——— | 61 54 | |
| Heating and ventilating apparatus, repairs : — | | | |
| Brock Bros. . . . . | $446 62 | | |
| Wm. Fitzgerald . . | 144 00 | | |
| Greene & Co. . . . | 1,345 18 | | |
| S. C. Higgins . . . | 1,011 08 | | |
| Johnson Electric Service Co. . . . . | 23 91 | | |
| McGahey & Byrne . | 41 65 | | |
| Moore & Ricker . . | 7 00 | | |
| J. M. Price & Son . | 201 79 | | |
| D. J. Wild & Co. . . | 271 55 | | |
| | ——— | 3,492 78 | |
| Labor on Ink-wells, Murray & Tregurtha . . | | 28 51 | |
| Mason work : — | | | |
| Wm. Crane . . . . | $30 00 | | |
| J. Delaney . . . . | 66 62 | | |
| Stearns & Waterman . | 227 14 | | |
| | ——— | 323 76 | |
| Plastering : — | | | |
| J. W. Crocker . . . | $8 75 | | |
| Wm. Gallagher . . . | 3 00 | | |
| W. J. Heron . . . | 138 20 | | |
| J. S. Murray . . . | 1 50 | | |
| | ——— | 151 45 | |
| Painting, Glazing, etc. : — | | | |
| J. L. P. Ackers . . | $835 20 | | |
| C. P. Alberts . . . | 8 90 | | |
| *Amounts carried forward* . | $844 10 | $41,108 69 | $48,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $844 10 | $41,108 69 | $48,000 00 |
| For Repairs and Alterations : — | | | |
| Painting, Glazing, etc. : — | | | |
| Patrick Cronin . . . | 1 20 | | |
| R. W. Davis . . . | 1 00 | | |
| Duffy Bros. . . . . | 15 00 | | |
| Edward G. Duffy . . | 28 75 | | |
| S. H. Holland . . . | 9 81 | | |
| W. B. Holt . . . . | 29 40 | | |
| George H. Hughes. . | 6 20 | | |
| R. W. Hussey . . . | 3 75 | | |
| Thos. McCue . . . | 5 50 | | |
| Geo. W. Stacy . . | 10 05 | | |
| J. H. & J. P. Thayer & Co. . . . . | 7 50 | | |
| F. H. Tufts . . . . | 7 25 | | |
| Woods Bros. . . . | 146 40 | | |
| | | 1,115 91 | |
| Plumbing : — | | | |
| Ernest W. Clark . . | $27 90 | | |
| M. F. Davlin & Co. . | 79 08 | | |
| Levi Hawkes. . . . | 201 47 | | |
| John J. Long . . . | 106 95 | | |
| Moynahan & Co. . . | 3 40 | | |
| J. T. Phelan. . . . | 4 95 | | |
| H. L. Rose . . . . | 487 04 | | |
| | | 910 79 | |
| Repairing flag, H. R. Dyer . . . . . | | 6 25 | |
| Roof repairs : — | | | |
| John J. Blevins . . | $633 25 | | |
| M. F. Marks . . . | 105 00 | | |
| David Young . . . | 34 25 | | |
| | | 772 50 | |
| Supplies : — | | | |
| Ash-barrels, County of Middlesex . . . . | | 35 00 | |
| Baskets, Cotton & Gould | | 63 00 | |
| *Amounts carried forward* . | | $44,012 14 | $48,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $44,012 14 | $48,000 00 |
| For Supplies : — | | | |
| Blackboards : — | | | |
| American Blackboard Co. . . . . | $42 00 | | |
| J. L. Hammett . . . | 14 35 | | |
| J. A. Swasey . . . | 76 00 | | |
| | | 132 35 | |
| Disinfectants : — | | | |
| Boston Germicide Co. | $15 30 | | |
| J. F. Fuller & Co. . . | 45 00 | | |
| Germicide Co. . . . | 36 00 | | |
| C. W. Lerned & Co. . | 117 50 | | |
| | | 213 80 | |
| Electrical Supplies, Pettingell, Andrews Co. . . | | 77 85 | |
| Dusters, brushes, brooms : — | | | |
| Chas. A. Austin & Co. | $174 26 | | |
| J. Doherty . . . . | 50 | | |
| F. M. Eaton . . . | 90 50 | | |
| Jordan & Christie . . | 24 00 | | |
| A. Worcester & Sons . | 32 64 | | |
| G. H. Worcester & Co. | 9 00 | | |
| | | 330 90 | |
| Furniture and furnishings : — | | | |
| Thos. O'Callaghan . . | $22 02 | | |
| Davidson Rubber Co. . | 63 20 | | |
| Frost & Adams . . . | 40 75 | | |
| James Furfey . . . | 170 86 | | |
| Heywood Bros. & Co. | 50 18 | | |
| John H. Kelsey . . | 1 75 | | |
| C. B. Moller . . . | 95 | | |
| Paine Furniture Co. . | 10 00 | | |
| George S. Perry & Co. | 722 28 | | |
| W. W. Pratt . . . | 89 35 | | |
| Worcester Bros. . . . | 37 95 | | |
| Union Glass Co. . . | 159 25 | | |
| | | 1,368 54 | |
| *Amounts carried forward* . | | $46,135 58 | $48,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $46,135 58 | $48,000 00 |
| For Supplies : — | | | |
| Hose, Boston Woven Hose Co. . . . . | | 7 00 | |
| Hardware, tools, supplies :— | | | |
| C. L. Bradlee . . . | $3 20 | | |
| Brock Bros. . . . . | 6 81 | | |
| Burditt & Bynner . . | 159 09 | | |
| Chas. River Iron Works | 10 00 | | |
| Dover Stamping Co. . | 13 05 | | |
| Greene & Co. . . . | 3 32 | | |
| A. J. Jones . . . . | 5 00 | | |
| W. A. Morrison . . | 7 60 | | |
| Moynahan & Co. . . | 2 00 | | |
| J. M. Price & Son . . | 60 58 | | |
| Roberts Iron Works Co. | 2 00 | | |
| Chas. Waugh & Co. . | 3 30 | | |
| F. A. White . . . | 26 58 | | |
| | | 302 53 | |
| Ladders, C. W. H. Moulton & Co. . . . . | | 2 25 | |
| Machines, The Germicide Co. . . . . | | 25 50 | |
| New Boilers, Harvard School, Sumner C. Higgins . . . . . | | 1,078 41 | |
| Printing, Lewis J. Hewitt | | 1 75 | |
| Soap, Frank H. Teele . | | 11 81 | |
| Savogran, India Alkali Works . . . . . | | 7 61 | |
| Sulpho-Napthol, Sulpho-Napthol Co. . . . . | | 15 00 | |
| Stone coping, Simpson Bros. . . . . | | 48 04 | |
| Sundries : — | | | |
| C. E. Bramhall . . . | $21 00 | | |
| F. Clover . . . . | 3 40 | | |
| Patrick Cronin . . . | 1 85 | | |
| Thos. Doyle . . . | 1 15 | | |
| *Amounts carried forward* . | $27 40 | $47,635 48 | $48,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $27 40 | $47,635 48 | $48,000 00 |
| For Supplies: — | | | |
| Sundries: — | | | |
| J. B. Higgins . . . | 5 39 | | |
| H. N. Hovey & Co. . | 60 | | |
| D. W. Hyde & Co. . | 5 50 | | |
| John Lane . . . . | 60 | | |
| James Major . . . | 3 50 | | |
| John L. Mayers . . | 2 90 | | |
| C. W. H. Moulton & Co. . . . . | 4 00 | | |
| Thos. F. McCue . . | 15 60 | | |
| A. W. Nellson . . . | 3 00 | | |
| Peter O'Neill . . . | 4 50 | | |
| George G. Page Box Co. . . . . | 1 50 | | |
| C. L. Page & Co. . . | 33 | | |
| W. H. White . . . | 85 05 | | |
| | | 159 87 | |
| Thermometers, Thorp & Martin Co. . . . . | | 3 00 | |
| Toilet Paper, Wm. H. Claflin & Co. . . . | | 26 00 | |
| Total . . . . . | | | 47,824 35 |
| Balance unexpended . . | | | $175 65 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Janitors, Engineers, etc. | $22,255 28 |
| Fuel . . . . . | 10,176 85 |
| Lights . . . . . | 1,367 76 |
| Heating and Ventilating Apparatus . . . . . | 4,571 19 |
| Rent . . . . . | 302 50 |
| Repairs . . . . . | 6,266 32 |
| Supplies . . . . . | 2,884 45 |
| | $47,824 35 |

**School Department (Board of Truants).**

| | |
|---|---|
| Appropriation | $500 00 |
| Additional Appropriation | 356 90 |
| " " | 450 00 |
| " " | 588 62 |
| | $1,895 52 |

EXPENDED.

| | | | |
|---|---|---|---|
| For Board of Truants, Middlesex Co. Truant School | | $1,869 17 | |
| Transportation: — | | | |
| Moses M. Childs | $4 20 | | |
| John Carmichael | 6 60 | | |
| F. M. Mason | 6 05 | | |
| Wm. H. Porter | 9 50 | | |
| | | 26 35 | |
| Total | | | $1,895 52 |

**School Department (Incidentals).**

| | |
|---|---|
| Appropriation | $1,600 00 |
| Additional Appropriation | 150 00 |
| | $1,750 00 |

EXPENDED.

| | | | |
|---|---|---|---|
| For Salaries of | | | |
| Secretary, S. B. Hubbard | $300 00 | | |
| Page, Chas. M. Jones | 25 00 | | |
| | | $325 00 | |
| Advertising: — | | | |
| Jas. Cox | $4 50 | | |
| F. S. Hill | 4 50 | | |
| | | 9 00 | |
| Car tickets, W. E. St. Railway Co. | | 100 00 | |
| Cash expended for statistics, S. B. Hubbard | | 6 00 | |
| Cash expended for travelling expenses, Francis Cogswell | | 35 50 | |
| Engraving, Suffolk Engraving Co. | | 4 00 | |
| *Amounts carried forward* | | $479 50 | $1,750 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $479 50 | $1,750 00 |
| For High School Graduating Exercises: — | | | |
| Music, Frederick E. Chapman . . . . . | $54 50 | | |
| Sanders Theatre, Harvard University . . . . | 15 65 | | |
| Services, A. K. Jones . | 3 00 | | |
| | | 73 15 | |
| Stationery and Printing: — | | | |
| John Cashman & Co. . | $2 25 | | |
| Cashman, O'Connor & Co. | 214 17 | | |
| Jas. Cox . . . . . | 46 50 | | |
| G. B. Lenfest . . . . | 37 75 | | |
| John Wilson & Son . . | 1 00 | | |
| | | 301 67 | |
| Transportation of School Children, W. E. St. Railway Co. . . . . | | 667 00 | |
| Type-writer, etc., G. H. Richter & Co. . . . . | | 102 23 | |
| Vaccine virus: — | | | |
| Dr. L. L. Bryant . . . | $9 20 | | |
| N. E. Vaccine Co. . . | 6 67 | | |
| | | 15 87 | |
| Total . . . . . | | | 1,639 42 |
| Balance unexpended . . | | | $110 58 |

**School Department (Salaries).**

| | |
|---|---|
| Appropriation . . . . . | $238,000 00 |
| Additional Appropriation . . . . . | 2,916 12 |
| | $240,916 12 |

RECEIVED.

| | | |
|---|---|---|
| For Income from Hopkins Charity Fund . . . . | $713 67 | |
| Tuition of non-resident pupils . . . . . | 1,358 50 | |
| | $2,072 17 | |
| *Amount carried forward* . | | $240,916 12 |

| | | | |
|---|---|---|---|
| *Amount brought forward* . | | | $240,916 12 |
| | EXPENDED. | | |
| For salaries of | | | |
| Superintendent, Francis Cogswell . . . . . | | $3,000 00 | |
| Supt.'s Clerk, Althea B. Frost . . . . . | | 600 00 | |
| Agent, S. B. Hubbard . . | | 1,800 00 | |
| Special instructors : — | | | |
| Botany, Sarah E. Brassill | $550 00 | | |
| Drawing : — | | | |
| Jas. M. Stone . . . | 1,700 00 | | |
| Lucia N. Jennison . . | 800 00 | | |
| Gymnastics, Clara E. Sheppard . . . . . | 500 00 | | |
| Music, Frederick E. Chapman . . . . . | 2,000 00 | | |
| Primary Dept., Mary A. Lewis . . . . . | 607 75 | | |
| Sewing : — | | | |
| Nancy T. Dawe . . | 60 00 | | |
| Agnes Gordon . . . | 600 00 | | |
| Alice H. Nay . . . | 600 00 | | |
| Sarah J. Stanton . . | 140 00 | | |
| | | 7,557 75 | |
| Teachers in | | | |
| Latin School . . . . | $15,059 58 | | |
| English High School . . | 24,369 40 | | |
| Grammar Schools . . . | 95,785 85 | | |
| Primary Schools . . . | 64,371 80 | | |
| Wellington Training School . . . . . | 11,088 00 | | |
| Kindergarten Schools . | 8,281 25 | | |
| | | 218,955 88 | |
| Substitutes . . . . . | | 487 00 | |
| Teachers in Evening Schools : — | | | |
| Drawing . . . . . | $1,255 00 | | |
| High . . . . . | 1,422 50 | | |
| *Amounts carried forward* . | $2,677 50 | $232,400 63 | $240,916 12 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $2,677 50 | $232,400 63 | $240,916 12 |
| For Salaries of | | | |
| Teachers in Evening Schools : — | | | |
| Allston . . . . . | 616 50 | | |
| Putnam . . . . . | 949 50 | | |
| Shepard . . . . . | 380 50 | | |
| Webster . . . . . | 480 50 | | |
| | | 5,104 50 | |
| Truant officers . . . . | | 3,410 99 | |
| Total . . . . . | | | $240,916 12 |

**School Department (Text Books and Supplies).**

| | |
|---|---|
| Appropriation . . . . . | $13,000 00 |
| Additional appropriation . . . . . | 1,465 02 |
| | $14,465 02 |
| Transferred to School Dept., Incidentals . . . | 150 00 |
| | $14,315 02 |

RECEIVED.

| | | |
|---|---|---|
| For sale of and damage to books | | $281 36 |

EXPENDED.

| | | |
|---|---|---|
| For apparatus and supplies : — | | |
| Blodgett, Ordway & Webber . . . . . | $11 45 | |
| Brown, Durrell & Co. . | 53 81 | |
| Burditt & Williams . . | 45 00 | |
| P. P. Caproni & Bro. . | 10 00 | |
| Commonwealth of Mass. | 6 50 | |
| Davidson Rubber Co. . | 48 90 | |
| Dennison Mfg. Co. . . | 9 50 | |
| Eagle Pencil Co. . . . | 336 75 | |
| Eimer & Amend . . . | 95 66 | |
| Frost & Adams . . . | 123 78 | |
| Greenough, Adams & Cushing . . . . . | 455 83 | |
| Thos. Groom & Co. . . | 33 00 | |
| J. L. Hammett . . . | 285 40 | |
| L. E. Knott App. Co. . | 110 32 | |
| *Amounts carried forward* . | $1,625 90 | $14,315 02 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $1,625 90 | | $14,315 02 |
| For apparatus and supplies: — | | | |
| G. F. King & Merrill . | 186 40 | | |
| Geo. S. Perry & Co. . . | 106 80 | | |
| Prang Ed. Co. . . . . | 81 28 | | |
| S. S. Pierce & Co. . . | 2 00 | | |
| Pulsifer, Jordan & Co. . | 2,850 45 | | |
| Queen & Co. . . . . | 58 10 | | |
| E. S. Ritchie & Sons . . | 19 05 | | |
| Geo. H. Richter & Co. . | 22 05 | | |
| A. M. Robbins . . . | 2 10 | | |
| A. G. Smalley & Co. . | 15 54 | | |
| Thorp & Martin Co. . | 6 80 | | |
| Thompson, Brown & Co. | 569 42 | | |
| Wadsworth, Howland & Co. . . . . | 8 64 | | |
| Weeks & Potter Co. . . | 34 43 | | |
| Ziegler Elec. Co. . . . | 27 73 | | |
| | | $5,616 69 | |
| Binding books, J. H. H. McNamee . . . . . | | 226 70 | |
| Books: — | | | |
| Allyn & Bacon . . . . | $18 34 | | |
| American Book Co. . . | 881 78 | | |
| Boston School Supply Co. | 19 26 | | |
| T. H. Castor & Co. . . | 288 85 | | |
| DeWolfe, Fiske & Co. . | 49 13 | | |
| Eimer & Amend . . . | 28 00 | | |
| Ginn & Co. . . . . | 1,529 36 | | |
| J. L. Hammett . . . | 172 00 | | |
| D. C. Heath & Co. . . | 780 23 | | |
| Houghton, Mifflin & Co. | 851 92 | | |
| Leach, Shewell, & Sanborn . . . . . | 154 73 | | |
| Lee & Shepard . . . | 174 52 | | |
| A. Lovell & Co. . . . | 231 20 | | |
| D. Lothrop & Co. . . | 90 00 | | |
| Lothrop Publishing Co. . | 20 00 | | |
| Longmans, Green & Co. | 210 00 | | |
| *Amounts carried forward* . | $5,499 32 | $5,843 39 | $14,315 02 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $5,499 32 | $5,843 39 | $14,315 02 |
| For Books : — | | | |
| Mass. Bible Society . . | 8 25 | | |
| Maynard, Merrill & Co. . | 30 00 | | |
| N. E. Pub. Co. . . . | 10 60 | | |
| Prang Ed. Co. . . . . | 470 45 | | |
| Silver, Burdett & Co. . | 36 90 | | |
| Thompson, Brown & Co. | 433 19 | | |
| University Pub. Co. . . | 151 84 | | |
| Wm. Ware & Co. . . | 798 68 | | |
| Willard Small . . . . | 77 00 | | |
| | | 7,516 23 | |
| Boxes, C. L. Page & Co. . | | 16 04 | |
| Car tickets, W. E. St. Railway Co. . . . . | | 20 00 | |
| Cash expended for sundries : — | | | |
| H. J. Chase . . . . | $9 30 | | |
| S. B. Hubbard . . . | 36 12 | | |
| Emma A. Scudder . . | 6 82 | | |
| Delia Stickney . . . . | 13 09 | | |
| Chas. F. Warner . . . | 17 50 | | |
| | | 82 83 | |
| Diplomas, Boston Bank Note Co. . . . . | | 176 47 | |
| Directory, E. F. Hunt & Co. | | 9 00 | |
| Expressage : — | | | |
| American Ex. Co. . . | $3 30 | | |
| Bancroft's Express . . | 25 05 | | |
| H. W. Bettinson & Co. . | 32 00 | | |
| Callahan's Express . . | 2 30 | | |
| Hatch & Co. . . . . | 1 90 | | |
| J. R. & C. S. Hersum . | 4 00 | | |
| W. A. Nichols . . . . | 109 30 | | |
| P. Biggin . . . . . | 74 75 | | |
| Savage & Son . . . | 2 30 | | |
| Sawin's Express . . . | 15 95 | | |
| | | 270 85 | |
| Jars, Union Glass Co. . . | | 22 33 | |
| Music, Oliver Ditson Co. . | | 28 70 | |
| *Amounts carried forward* . | | $13,985 84 | $14,315 02 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $13,985 84 | $14,315 02 |
| For Pointers, Standard Turning Works . . . . . | | 21 52 | |
| Printing: — | | | |
| Jas. Cox . . . . . | $84 00 | | |
| Jas. H. Cox . . . . | 16 25 | | |
| Harvard Printing Co. . | 18 50 | | |
| G. B. Lenfest . . . . | 81 70 | | |
| Louis F. Weston . . . | 43 00 | | |
| | | 243 45 | |
| Repairing Drawing instruments, R. D. Gardner . | | 23 25 | |
| Repairing scale, The Fairbanks Co. . . . . | | 2 40 | |
| Thermometers: — | | | |
| Eimer & Amend . . . | $9 56 | | |
| S. Thaxter & Son . . | 15 00 | | |
| | | 24 56 | |
| Tuning piano, Orrin D. Howlett . . . . . | | 14 00 | |
| Total . . . . . | | | $14,315 02 |

**Sealer of Weights and Measures.**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $1,600 00 |
| RECEIVED. | | | |
| For Fees for sealing and weighing. . . . . | | $479 74 | |
| EXPENDED. | | | |
| For Salaries of | | | |
| A. F. Roberts . . . . | $900 00 | | |
| C. D. Kinnear . . . . | 167 50 | | |
| | | $1,067 50 | |
| Advertising, Jas. Cox . . | | 7 25 | |
| Board and care of horse, G. D. Merrill & Co. . . | | 300 00 | |
| Car tickets, W. E. St. Railway Co. . . . . | | 15 00 | |
| Hardware, F. A. White . | | 2 05 | |
| Horse-shoeing, Gerry & Rufer . . . . . | | 19 50 | |
| *Amounts carried forward* . | | $1,411 30 | $1,600 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $1,411 30 | $1,600 00 |
| For Printing: — | | | |
| Jennings & Welch . . | $1 12 | | |
| Lombard & Caustic . . | 8 50 | | |
| | | 9 62 | |
| Stamps, etc., Geo. B. Sargent & Son . . . . . | | 12 25 | |
| Stationery Dept. . . . . | | 8 06 | |
| Wagon repairs, F. Ivers & Son . . . . . | | 23 60 | |
| Weighing fees: — | | | |
| Thomas Gurnham . . | $8 30 | | |
| Edmund I. Train . . . | 18 16 | | |
| | | 26 46 | |
| Total . . . . . | | | 1,491 29 |
| Balance unexpended . . | | | $108 71 |

**Sewer Department (Construction).**

| | |
|---|---|
| Appropriation . . . . . | $20,000 00 |
| Additional Appropriation . . . . . | 23,040 00 |
| " " . . . . . | 3,300 00 |
| | $46,340 00 |

RECEIVED.

| | | |
|---|---|---|
| For Drainage . . . . . | $26 00 | |
| Error on pay-roll . . . | 12 50 | |
| Labor and Materials . . | 296 33 | |
| Permits to connect with sewers . . . . . | 747 17 | |
| Sewer assessments . . . | 10,044 94 | |
| | $11,126 94 | |

EXPENDED.

| | | | |
|---|---|---|---|
| For Labor, as per pay-rolls . | | $15,518 89 | |
| Advertising: — | | | |
| Cambridge Chronicle Co. | $1 13 | | |
| Boston Herald Co. . . | 10 12 | | |
| | | 11 25 | |
| Bricks: — | | | |
| Chas. McMahon . . . | $492 23 | | |
| M. W. Sands . . . . | 465 64 | | |
| | | 957 87 | |
| *Amounts carried forward* . | | $16,488 01 | $46,340 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $16,488 01 | $46,340 00 |
| For Castings, Mechanics' Iron Foundry . . . . . | | 294 85 | |
| Cement, Waldo Bros. . . | | 1,063 71 | |
| Fuel : — | | | |
| Baker-Hunnewell Co. . | $10 18 | | |
| Coleman Bros. . . . . | 26 00 | | |
| | | 36 18 | |
| Gravel and Sand : — | | | |
| Austin Ford & Son . . | $27 00 | | |
| John Gallivan . . . . | 42 00 | | |
| Chas. Linehan . . . . | 473 40 | | |
| James Mahoney . . . | 66 00 | | |
| John T. Scully . . . | 658 84 | | |
| | | 1,267 24 | |
| Hardware supplies : — | | | |
| Burditt & Bynner . . . | $30 75 | | |
| Concord Foundry Co. . | 63 00 | | |
| Whittier Hardware Co. . | 75 | | |
| | | 94 50 | |
| Lumber and milling :— | | | |
| J. H. Keenan . . . . | $34 75 | | |
| E. D. Sawyer & Co. . . | 2,128 46 | | |
| | | 2,163 21 | |
| Piles, John T. Scully . . | | 685 42 | |
| Pipe : — | | | |
| Greene & Co. . . . . | $90 00 | | |
| D. W. Lewis . . . . | 1,631 22 | | |
| Portland Stone Ware Co. | 4,162 98 | | |
| | | 5,884 20 | |
| Repairing tools, Wight & Scorgie . . . . . | | 8 96 | |
| Stone : — | | | |
| Austin Ford & Son . . | $45 00 | | |
| Street Department, Maintenance . . . . . | 8 75 | | |
| | | 53 75 | |
| Stone ballast, E. H. Ricker, Son & Co. . . . . | | 2 50 | |
| *Amounts carried forward* . | | $28,042 53 | $46,340 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $28,042 53 | $46,340 00 |
| For Teaming: — | | | |
| P. Biggin . . . . . | $174 38 | | |
| A. A. Buckman . . . | 3 00 | | |
| John Coughlin . . . | 49 50 | | |
| Jas. C. Doherty . . . | 25 00 | | |
| John Gallivan . . . . | 13 50 | | |
| Thomas O'Hara . . . | 673 88 | | |
| John Quinn . . . . . | 48 37 | | |
| Bradford G. Stockton . | 7 25 | | |
| Charles W. Sulivan . . | 1 13 | | |
| | | 996 01 | |
| Traps: — | | | |
| Barbour, Stockwell & Co. | $139 50 | | |
| Boston Double C. B. Sewer & H. T. Co. . | 61 80 | | |
| | | 201 30 | |
| Use of Pumps, E. R. Cheney | | 13 75 | |
| Total . . . . . | | | 29,253 59 |
| Balance unexpended . . | | | $17,086 41 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Labor . . . . . | $15,518 89 |
| Teaming . . . . . | 996 01 |
| Supplies . . . . . | 12,738 69 |
| | $29,253 59 |

## Sewer Department (Construction).

*Mass. Avenue Storm Relief.*

| | |
|---|---|
| Appropriation . . . . . | $18,000 00 |

EXPENDED.

| | | |
|---|---|---|
| For Contract, Metropolitan Construction Co. . . . | $8,054 66 | |
| Total . . . . . | | 8,054 66 |
| Balance unexpended . . | | $9,945 34 |

**Sewer Department (Maintenance).**

| | | | |
|---|---|---|---|
| Appropriation | | | $17,000 00 |
| Additional Appropriation | | | 307 35 |
| | | | $17,307 35 |
| RECEIVED. | | | |
| For Labor and materials | | $32 20 | |
| Manure | | 1 00 | |
| Old hose | | 152 79 | |
| Rent | | 108 00 | |
| | | $293 99 | |
| EXPENDED. | | | |
| For Salaries of | | | |
| Supt., T. L. Pike | $1,700 00 | | |
| Clerk, Mary E. Rowen | 313 00 | | |
| Laborers, as per pay-rolls | 7,006 95 | | |
| | | $9,019 95 | |
| Advertising: — | | | |
| Cambridge Chronicle Co. | $1 03 | | |
| Boston Herald Co. | 10 75 | | |
| James Cox | 5 12 | | |
| | | 16 90 | |
| Bricks: — | | | |
| Chas. McMahon | $343 19 | | |
| M. W. Sands | 11 18 | | |
| | | 354 37 | |
| Carriages and repairs, F. Ivers & Son | | 477 85 | |
| Canvas covers, Nolan Bros. | | 67 50 | |
| Car tickets, W. E. St. Railway Co. | | 75 00 | |
| Carriage hire: — | | | |
| J. E. Fabyan | $5 00 | | |
| James McGovern | 5 00 | | |
| | | 10 00 | |
| Castings, Mechanics' Iron Foundry Co. | | 46 71 | |
| Cement, Waldo Bros. | | 400 70 | |
| *Amounts carried forward* | | $10,468 98 | $17,307 35 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $10,468 98 | $17,307 35 |
| For Cleaning catch basins, | | | |
| John Horrigan . . . | | 2,593 50 | |
| Door, M. Elston & Son . | | 1 50 | |
| Drain work : — | | | |
| Matthew Corkery . . . | $7 00 | | |
| Samuel McCulloch . . | 51 35 | | |
| Joseph Purcell . . . . | 9 00 | | |
| | ——— | 67 35 | |
| Expressage, Savage & Son | | 75 | |
| Fuel : — | | | |
| Baker-Hunnewell Co. . | $40 05 | | |
| L. G. Burnham & Co. . | 8 44 | | |
| Coleman Bros. . . . . | 6 00 | | |
| H. Wellington & Co. . | 29 75 | | |
| | ——— | 84 24 | |
| Gas, Cambridge Gas Light Co. . . . . | | 26 49 | |
| Gloves, J. H. Corcoran & Co. . . . . | | 1 96 | |
| Gravel : — | | | |
| Austin Ford & Son. . . | $34 50 | | |
| Chas. Linehan . . . . | 126 00 | | |
| John T. Scully . . . | 103 50 | | |
| | ——— | 264 00 | |
| Hardware, tools, repairs, and supplies : — | | | |
| Burditt & Bynner . . . | $457 49 | | |
| Wm. Campbell & Co. . | 15 50 | | |
| Edson Mfg. Co. . . . | 3 50 | | |
| Chas. H. Goldsmith . . | 60 65 | | |
| James Maitland . . . | 202 22 | | |
| Morss & Whyte . . . | 10 50 | | |
| D. C. Scranton . . . | 35 25 | | |
| Whittier Hardware Co. . | 28 80 | | |
| Wight and Scorgie . . | 32 96 | | |
| | ——— | 846 87 | |
| Harness and repairs, Wm. H. Roberts . . . . . | | 17 65 | |
| *Amounts carried forward* . | | $14,373 29 | $17,307 35 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $14,373 29 | $17,307 35 |
| For Hay, grain and straw, E. R. Luke & Co. . . | | 319 05 | |
| Horse-clipping, John Smith | | 6 00 | |
| Horse-shoeing, John F. Gurry . . . . . | | 131 25 | |
| Horse cover, H. M. Sawyer & Son . . . . . | | 3 00 | |
| Hose and rubber goods : — | | | |
| American Rubber Goods | $45 96 | | |
| Boston Woven Hose Co. | 44 13 | | |
| H. M. Sawyer & Son . . | 30 00 | | |
| | | 120 09 | |
| Iron work, Miller & Shaw . | | 135 46 | |
| Labor, Jas. E. Brown . . | | 147 00 | |
| Lanterns, A. H. Hews & Co. | | 20 00 | |
| Lumber : — | | | |
| J. H. Keenan & Co. . . | $13 19 | | |
| E. D. Sawyer & Co. . . | 764 66 | | |
| | | 777 85 | |
| Milling, J. H. Keenan & Co. | | 54 25 | |
| Medicines, A. R. Bayley & Co. . . . . | | 2 00 | |
| Mirrors, J. M. Oxford . . | | 1 80 | |
| Oat meal, Charles James . | | 9 75 | |
| Oil, Standard Oil Co. . . | | 48 36 | |
| Painting, W. J. Edwards . | | 6 00 | |
| Piles : — | | | |
| Wm. L. Miller . . . . | $39 30 | | |
| John T. Scully . . . | 6 00 | | |
| | | 45 30 | |
| Pipe : — | | | |
| D. W. Lewis . . . . | $449 80 | | |
| Portland Stone Ware Co. | 130 21 | | |
| | | 580 01 | |
| Printing : — | | | |
| Cambridge Chronicle Co. | $10 25 | | |
| Jas. H. Cox . . . . | 10 25 | | |
| | | 20 50 | |
| *Amounts carried forward* . | | $16,800 96 | $17,307 35 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $16,800 96 | $17,307 35 |
| For Rent of Land, I. L. Russell . . . . . | | 25 00 | |
| Repairing derrick, D. C. Scranton . . . . . | | 15 50 | |
| Sand : — | | | |
| Jas. C. Doherty . . . | $8 25 | | |
| Austin Ford & Son . . | 24 00 | | |
| Thomas O'Hara . . . | 12 50 | | |
| | | 44 75 | |
| Stamp dies and pad, Cotton & Gould . . . . . | | 2 55 | |
| Storage, Luther C. Slavens, Jr. . . . . | | 25 00 | |
| Stationery Dept., Supplies . | | 5 00 | |
| Teaming : — | | | |
| P. Biggin . . . . . | $43 95 | | |
| Thomas O'Hara . . . | 262 14 | | |
| John T. Scully . . . | 10 00 | | |
| | | 316 09 | |
| Use of Engine : — | | | |
| John T. Scully . . . | $37 00 | | |
| George E. Worthen . . | 10 00 | | |
| | | 47 00 | |
| Use of Pump, E. R. Cheney | | 25 50 | |
| Total . . . . . | | | $17,307 35 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Salaries of Supt. and Clerk | $2,013 00 |
| Labor . . . . . | 9,814 80 |
| Bricks, gravel and sand . | 663 12 |
| Care of horses and teaming | 1,272 89 |
| Car tickets and Carriage hire | 85 00 |
| Fuel and Lights . . . . | 110 73 |
| Hardware, tools and repairs | 1,126 29 |
| Hose . . . . . | 120 09 |
| Lumber . . . . . | 777 85 |
| Pipe and Cement . . . | 980 71 |
| Rent and Storage . . . | 50 00 |
| Sundries . . . . . | 220 37 |
| Use of Engine and Pump . | 72 50 |
| | $17,307 35 |

**Sewer Department (Metropolitan Connections).**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $40,000 00 |
| EXPENDED. | | | |
| For labor, as per pay-rolls . | | $11,483 68 | |
| Advertising, James Cox . | | 1 05 | |
| Bag, George G. Wright . | | 5 00 | |
| Bricks: — | | | |
| Chas. McMahon . . . | $298 52 | | |
| M. W. Sands . . . . | 797 64 | | |
| | | 1,096 16 | |
| Castings: — | | | |
| Barbour, Stockwell & Co. | $111 00 | | |
| Mechanics' Iron Foundry Co. . . . . | 444 97 | | |
| | | 555 97 | |
| Cement: — | | | |
| W. C. Nash . . . . | $112 50 | | |
| Waldo Bros. . . . . | 748 54 | | |
| | | 861 04 | |
| Copper floats, Coffin Valve Co. . . . . | | 165 50 | |
| Contracts: — | | | |
| Wm. L. Miller . . . | $7,727 35 | | |
| John T. Scully . . . | 4,983 43 | | |
| | | 12,710 78 | |
| Dry Goods, D. W. Hyde & Co. . . . . | | 60 | |
| Expressage: — | | | |
| Hatch & Co. . . . . | $ 65 | | |
| Savage & Son . . . . | 3 00 | | |
| | | 3 65 | |
| Fittings, City of Boston . | | 13 35 | |
| Fuel: — | | | |
| Coleman Bros. . . . | $88 03 | | |
| H. Wellington & Co. . | 18 75 | | |
| | | 106 78 | |
| Gravel, sand and clay: — | | | |
| John Gallivan . . . . | $291 00 | | |
| Charles Linehan . . . | 104 40 | | |
| *Amounts carried forward* . | $395 40 | $27,003 56 | $40,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $395 40 | $27,003 56 | $40,000 00 |
| For Gravel, sand and clay: — | | | |
| M. W. Sands . . . . | 2 00 | | |
| John T. Scully . . . | 34 50 | | |
| | | 431 90 | |
| Gaskets, packing, Boston Woven Hose Co. . . . | | 20 13 | |
| Hardware, supplies, tools, and repairs: — | | | |
| Burditt & Bynner . . . | $11 97 | | |
| Greene & Co. . . . . | 3 00 | | |
| James Maitland . . . | 37 54 | | |
| Whittier Hardware Co. . | 3 15 | | |
| | | 55 66 | |
| Iron Work: — | | | |
| Barbour, Stockwell & Co. | $120 55 | | |
| Miller & Shaw . . . . | 269 74 | | |
| | | 390 29 | |
| Lumber: — | | | |
| J. H. Keenan & Co. . . | $21 93 | | |
| E. D. Sawyer & Co. . . | 1,906 95 | | |
| | | 1,928 88 | |
| Lumber, milling, etc.: — | | | |
| J. H. Keenan & Co. . . | $124 08 | | |
| D. C. Scranton . . . | 3 75 | | |
| | | 127 83 | |
| Piles, John T. Scully . . | | 202 59 | |
| Pipe: — | | | |
| Addyston Pipe and Steel Co. . . . . | $395 00 | | |
| D. W. Lewis . . . . | 149 22 | | |
| Portland Stone Ware Co. | 542 54 | | |
| | | 1,086 76 | |
| Plumbing, John J. Long . | | 82 76 | |
| Rent of Wharf, John T. Scully . . . . . | | 100 00 | |
| Stones for covers: — | | | |
| John J. Horgan . . . | $50 00 | | |
| S. & R. J. Lombard . . | 89 00 | | |
| Walter F. Norman . . | 14 90 | | |
| | | 153 90 | |
| *Amounts carried forward* . | | $31,584 26 | $40,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $31,584 26 | $40,000 00 |
| For Tide Gate Seat for Mass. Ave., Walter F. Norman | | 29 25 | |
| Teaming: — | | | |
| P. Biggin . . . . . | $156 39 | | |
| E. R. Cheney . . . . | 38 00 | | |
| Thos. O'Hara . . . . | 404 99 | | |
| John T. Scully . . . | 13 50 | | |
| | | 612 88 | |
| Use of Boat, John T. Scully | | 52 00 | |
| Use of Pump, etc., E. R. Cheney . . . . . | | 416 00 | |
| Use of Engine, George E. Worthen . . . . . | | 62 00 | |
| Use of Machine, John T. Scully . . . . . | | 181 60 | |
| Total . . . . . | | | 32,937 99 |
| Balance unexpended . . | | | $7,062 01 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Labor . . . . . | $11,483 68 |
| Bricks, gravel and sand . | 1,528 06 |
| Castings . . . . . | 585 22 |
| Commercial Avenue Sewer | 12,710 78 |
| Hardware, tools and repairs | 445 85 |
| Lumber . . . . . | 2,259 30 |
| Miscellaneous . . . . . | 704 82 |
| Pipe and Cement . . . . | 1,947 80 |
| Teaming . . . . . | 612 88 |
| Use of Engine, Pump, etc. | 659 60 |
| | $32,937 99 |

**Sinking Funds.**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $98,940 00 |
| EXPENDED. | | | |
| For Salaries of | | | |
| Wm. W. Dallinger, Treas. . | $300 00 | | |
| John McDuffie, Clerk . . | 25 00 | | |
| | | $325 00 | |
| *Amounts carried forward* . | | $325 00 | $98,940 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $325 00 | $98,940 00 |
| For Appropriation as required by City Ordinance for payment of debt, Commissioners of Sinking Funds | | 98,575 00 | |
| Rent, Boston Safe Deposit and Trust Co. . . . . | | 40 00 | |
| Total . . . . . | | | $98,940 00 |

**Sinking Fund (Harvard Bridge).**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $8,000 00 |
| EXPENDED. | | | |
| For Commissioners of Sinking Funds for payment of debt | | | $8,000 00 |

**State Aid.**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $24,500 00 |
| RECEIVED. | | | |
| From the Commonwealth of Massachusetts in reimbursement, in part, of the amount the city has advanced, in conformity to the laws of the State, to volunteers and their families, or other dependents of volunteers in the army and navy: — | | | |
| For military aid . . . . | $1,500 97 | | |
| State aid . . . . . | 12,595 00 | | |
| Burials of soldiers and sailors . . . . . | 280 00 | | |
| | | $14,375 97 | |
| Aid . . . . . | | 378 44 | |
| Money not called for on pay-rolls . . . . . | | 95 00 | |
| | | $14,849 41 | |
| EXPENDED. | | | |
| For salary of Clerk, Chas. L. Russell . . . . . | | $900 00 | |
| State aid . . . . . | $12,198 50 | | |
| Military aid . . . . . | 1,902 00 | | |
| Soldiers' and sailors' aid . | 5,987 00 | | |
| | | 20,087 50 | |
| *Amounts carried forward* . | | $20,987 50 | $24,500 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $20,987 50 | $24,500 00 |
| For Aid : — | | | |
| City of Holyoke . . . | $7 90 | | |
| Town of Leominster . . | 48 00 | | |
| | | 55 90 | |
| Ambulance fee, Chas. W. Dailey . . . . . | | 3 00 | |
| Board and care : — | | | |
| Carney Hospital . . . | $22 00 | | |
| City of Cambridge, Almshouse . . . . . | 322 31 | | |
| Com. of Mass. at State Farm . . . . | 100 00 | | |
| Worcester Lunatic Hospital . . . . . | 4 96 | | |
| Danvers Lunatic Hospital | 508 40 | | |
| Taunton Lunatic Hospital | 169 46 | | |
| Worcester Insane Asylum | 227 67 | | |
| Worcester Lunatic Hospital . . . . . | 42 71 | | |
| | | 1,397 51 | |
| Burials : — | | | |
| John W. Coveney . . | $35 00 | | |
| Thos. Devens . . . . | 35 00 | | |
| David Fudge . . . . | 35 00 | | |
| Jos. J. Kelly . . . . | 70 00 | | |
| A. E. Long . . . . | 35 00 | | |
| H. D. Litchfield . . . | 140 00 | | |
| James Mullen . . . . | 35 00 | | |
| William Ross & Son . . | 35 00 | | |
| Shea Bros. . . . . | 70 00 | | |
| W. A. Taylor . . . . | 35 00 | | |
| | | 525 00 | |
| Car tickets, W. E. St. Railway Co. . . . . | | 15 00 | |
| Dinners, M. R. Jones . . | | 8 00 | |
| Directory, E. F. Hunt & Co. | | 3 00 | |
| *Amounts carried forward* . | | $22,994 91 | $24,500 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $22,994 91 | $24,500 00 |
| For Fuel: — | | | |
| Richardson & Bacon . . | $2 75 | | |
| Geo. M. Smith . . . | 29 55 | | |
| | | 32 30 | |
| Stationery and Printing: — | | | |
| Harvard Printing Co. . | $4 75 | | |
| Powell & Co. . . . . | 59 50 | | |
| Stationery Dept. . . . | 10 45 | | |
| | | 74 70 | |
| Supplies, Geo. A. Davis | | 58 00 | |
| Total . . . . . | | | 23,159 91 |
| Balance unexpended . . | | | $1,340 09 |

**Stationery and Printing.**

| | |
|---|---|
| Appropriation . . . . . | $2,800 00 |
| Additional Appropriation . . . . . | 43 14 |
| | $2,843 14 |

RECEIVED.

| | |
|---|---|
| For Supplies . . . . . | $1,160 98 |

EXPENDED.

| | | | |
|---|---|---|---|
| For Advertising: — | | | |
| Cambridge Chronicle Co. | $61 31 | | |
| James Cox . . . . . | 86 18 | | |
| F. S. Hill . . . . . | 4 50 | | |
| | | $151 99 | |
| Binding: — | | | |
| J. H. H. McNamee . . | $54 40 | | |
| P. B. Sanford . . . . | 15 00 | | |
| | | 69 40 | |
| Examination of Document Bids, James Cox . . . | | 5 00 | |
| Examination of Document Bills, Charles Walker . | | 15 00 | |
| Postage, G. W. Ring . . | | 710 00 | |
| Printing: — | | | |
| Cambridge Chronicle Co. | $46 80 | | |
| Cashman, O'Connor & Co. | 1,235 58 | | |
| *Amounts carried forward* . | $1,282 38 | $951 39 | $2,843 14 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $1,282 38 | $951 39 | $2,843 14 |
| For Printing : — | | | |
| James Cox . . . . . | 37 00 | | |
| James H. Cox . . . . | 36 50 | | |
| Harvard Printing Co. . | 132 25 | | |
| Poole Printing Co. . . | 2 50 | | |
| | | 1,490 63 | |
| Stationery : — | | | |
| Wm. Claflin & Co. . . | $12 50 | | |
| Cotton & Gould . . . | 156 11 | | |
| C. D. Craigie . . . . | 1 00 | | |
| Thorp & Martin Co. . . | 231 51 | | |
| | | 401 12 | |
| Total . . . . . | | | $2,843 14 |

**Street Department (Bridges).**

| | |
|---|---|
| Appropriation . . . . . | $4,000 00 |
| Transferred to Street Department, Maintenance . . | 175 00 |
| | $3,825 00 |

EXPENDED.

| | | | |
|---|---|---|---|
| For Salaries of Draw-tenders :— | | | |
| William Burgess . . . | $1,147 67 | | |
| Martin Flaherty . . . | 1,043 33 | | |
| Nathaniel M. Neale . . | 600 96 | | |
| | | $2,791 96 | |
| Labor, as per pay-rolls . . | | 260 89 | |
| Hardware, F. A. White . | | 19 70 | |
| Lumber : — | | | |
| John S. Clary . . . . | $89 48 | | |
| Geo. W. Gale Lumber Co. | 394 59 | | |
| Wm. H. Wood & Co. . | 251 04 | | |
| | | 735 11 | |
| Oakum, J. Baker & Co. . | | 4 25 | |
| Oil : — | | | |
| E. W. Bigelow & Co. . | $5 76 | | |
| Vacuum Oil Co. . . . | 6 63 | | |
| | | 12 39 | |
| Total . . . . . | | | 3,824 30 |
| Balance unexpended . . | | | $ 70 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Draw-tenders . . . . | $2,791 96 |
| Repairs . . . . . | 996 00 |
| Supplies . . . . . | 36 34 |
| | $3,824 30 |

**Street Department (Cleaning).**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $23,000 00 |

EXPENDED.

| | | | |
|---|---|---|---|
| For salaries of foremen: — | | | |
| Jas. A. Ferguson . . . | $202 50 | | |
| E. Osborn . . . . . | 72 00 | | |
| John Reilley . . . . | 303 00 | | |
| J. M. Thayer . . . . | 72 00 | | |
| Laborers, as per pay-rolls | 16,801 16 | | |
| | | $17,450 66 | |
| Tools and repairs, hardware, etc. :— | | | |
| Ames Plow Co. . . . | $59 89 | | |
| Barbour, Stockwell & Co. | 29 20 | | |
| Edson Mfg. Co. . . . | 108 45 | | |
| Hickory Broom Fibre Co. | 25 00 | | |
| Moynahan & Co. . . . | 56 22 | | |
| National Fibre Broom Works . . . . . | 25 00 | | |
| Sundry Persons . . . | 9 32 | | |
| | | 313 08 | |
| Teaming: — | | | |
| James Boyle . . . . | $132 75 | | |
| J. J. Brassil . . . . | 54 00 | | |
| Peter Burns . . . . | 92 25 | | |
| T. A. Callahan . . . | 78 75 | | |
| James Condon . . . . | 110 25 | | |
| Wm. Condon . . . . | 189 00 | | |
| Margaret Conley . . . | 27 00 | | |
| J. J. Connell . . . . | 38 25 | | |
| T. C. Cosgrove . . . | 65 25 | | |
| *Amounts carried forward* . | $787 50 | $17,763 74 | $23,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $787 50 | $17,763 74 | $23,000 00 |
| For Teaming: — | | | |
| John Coughlin . . . | 155 25 | | |
| Frank J. Coulter . . . | 184 50 | | |
| Elizabeth Cox . . . . | 33 75 | | |
| John H. Cox . . . . | 273 37 | | |
| James Culhane . . . | 151 87 | | |
| John T. Culhane . . . | 76 50 | | |
| Patrick Curley . . . | 27 00 | | |
| P. H. Dardis . . . . | 20 25 | | |
| James Doherty . . . | 167 62 | | |
| John Doody . . . . | 24 75 | | |
| Joseph Finnick . . . | 22 50 | | |
| Emil Fredrekson . . . | 18 00 | | |
| John Gallivan . . . . | 67 50 | | |
| James Gray . . . . | 60 75 | | |
| Frank Hastings . . . | 194 62 | | |
| Martin Kneeland . . . | 22 50 | | |
| Robert Leary . . . . | 33 75 | | |
| Frank Lerner . . . . | 18 00 | | |
| Chas. Linehan . . . . | 266 63 | | |
| Chas. H. Linehan . . . | 283 50 | | |
| Edw. Lynch . . . . | 27 00 | | |
| Elizabeth Martell . . . | 63 00 | | |
| Felix McCabe . . . . | 183 37 | | |
| John McClellan . . . | 33 75 | | |
| N. J. McConologue . . | 22 50 | | |
| Chas. McMahon . . . | 276 74 | | |
| P. J. McSorley . . . | 54 00 | | |
| Thos. McSorley . . . | 33 74 | | |
| W. B. Mooney . . . | 79 87 | | |
| Alexander Nixon . . . | 24 75 | | |
| Thos. O'Hara . . . . | 47 25 | | |
| T. H. O'Hara . . . . | 175 50 | | |
| David O'Mara . . . . | 139 50 | | |
| Henry O'Sullivan . . . | 45 00 | | |
| Michael O'Sullivan . . | 65 25 | | |
| John Quinn . . . . | 114 75 | | |
| John Quinn, Jr. . . . | 196 87 | | |
| *Amounts carried forward* . | $4,472 95 | $17,763 74 | $23,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $4,472 95 | $17,763 74 | $23,000 00 |
| For Teaming: — | | | |
| Thos. Shaw . . . . | 166 50 | | |
| B. F. St. George . . . | 244 12 | | |
| Jere. Sullivan . . . . | 72 00 | | |
| N. T. Trelegan . . . | 22 50 | | |
| Peter Tumilty . . . . | 256 50 | | |
| | | 5,234 57 | |
| Total . . . . . | | | 22,998 31 |
| Balance unexpended . . | | | $1 69 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Labor . . . . . | $17,450 66 |
| Teaming . . . . . | 5,234 57 |
| Tools and Supplies . . | 313 08 |
| | $22,998 31 |

**Street Department (Collection of Ashes).**

| | |
|---|---|
| Appropriation . . . . . | $17,500 00 |
| Additional Appropriation . . . . . | 850 00 |
| Transferred from Incidental Expenses . . . | 400 00 |
| | $18,750 00 |

EXPENDED.

| | | | |
|---|---|---|---|
| For Salary of Foreman, Chas. McHugh . . . . . | | $378 00 | |
| Labor, as per pay-rolls . . | | 15,688 29 | |
| Hardware, tools, etc.: — | | | |
| Ames Plow Co. . . . | $108 65 | | |
| Barbour, Stockwell & Co. | 14 22 | | |
| Dodge, Haley & Co. . . | 7 15 | | |
| | | 130 02 | |
| Harness and repairs: — | | | |
| Hugh McCaffrey . . . | $80 20 | | |
| Thos. McMahon . . . | 44 25 | | |
| | | 124 45 | |
| Hay, grain: — | | | |
| Otis S. Brown & Co. . | $974 02 | | |
| Merrill & Glazier . . . | 512 68 | | |
| *Amounts carried forward* . | $1,486 70 | $16,320 76 | $18,750 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $1,486 70 | $16,320 76 | $18,750 00 |
| For Hay, grain: — | | | |
| H. H. Turner . . . . | 419 00 | | |
| Geo. G. Wright . . . | 113 10 | | |
| | | 2,018 80 | |
| Horses, P. H. Dardis . . | | 350 00 | |
| Horse and cart covers, Jas. Martin & Son . . . . | | 60 30 | |
| Total . . . . . | | | 18,749 86 |
| Balance unexpended . . | | | $ 14 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Labor . . . . . | $16,066 29 |
| Hardware, tools, etc. . . | 130 02 |
| Harness and repairs . . . | 124 45 |
| Hay and grain . . . . | 2,018 80 |
| Horses . . . . . | 350 00 |
| Horse and cart covers . . | 60 30 |
| | $18,749 86 |

**Street Department (Construction).**

*Charles and Vine Streets.*

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $3,494 00 |

EXPENDED.

| | | | |
|---|---|---|---|
| For labor as per pay-rolls . | | $148 00 | |
| Granite chips, Chas. McMahon . . . . . | | 96 80 | |
| Gravel, James Mahoney . | | 160 00 | |
| Teaming: — | | | |
| Wm. Condon . . . . | $22 50 | | |
| F. J. Coulter . . . . | 49 50 | | |
| John H. Cox . . . . | 58 50 | | |
| James Culhane . . . | 27 00 | | |
| James Doherty . . . | 38 25 | | |
| Charles Linehan . . . | 49 50 | | |
| Felix McCabe . . . . | 18 00 | | |
| Chas. McMahon . . . | 119 25 | | |
| *Amounts carried forward* . | $382 50 | $404 80 | $3,494 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $382 50 | $404 80 | $3,494 00 |
| For Teaming: — | | | |
| J. P. McSorley . . . | 76 50 | | |
| W. B. Mooney . . . | 31 50 | | |
| T. H. O'Hara . . . . | 103 50 | | |
| John Quinn . . . . | 58 50 | | |
| | | 652 50 | |
| Total . . . . . | | | 1,057 30 |
| Balance unexpended . . | | | $2,436 70 |

**Street Department (Construction).**

*McDonald Street.*

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $15,914 50 |
| EXPENDED. | | | |
| For Labor, as per pay-rolls . | | $4,502 12 | |
| Edge-stone, S. & R. J. Lombard . . . . . | | 1,234 44 | |
| Gravel, J. E. Stone . . . | | 604 95 | |
| Teaming, as per pay-rolls . | | 3,202 87 | |
| Tools and repairs: — | | | |
| Ames Plow Co. . . . | $29 69 | | |
| Chapman Carriage Co. . | 7 01 | | |
| | | 36 70 | |
| Total . . . . . | | | 9,581 08 |
| Balance unexpended . . | | | $6,333 42 |

**Street Department (Maintenance).**

| | |
|---|---|
| Appropriation . . . . . | $70,000 00 |
| Surplus Revenue . . . . . | 173 94 |
| Transferred from Street Dept., Bridges . . . | 175 00 |
| Additional Appropriation . . . . . | 1,463 78 |
| | $71,812 72 |

RECEIVED.

| | | |
|---|---|---|
| For ashes, filling, scrapings, chopping blocks, etc. . . | $3,214 24 | |
| *Amount carried forward* . | | $71,812 72 |

| | | | |
|---|---|---|---|
| *Amount brought forward* . | | | $71,812 72 |
| | EXPENDED. | | |
| For salaries of | | | |
| Supt. Chas. A. Brown . . | $2,000 00 | | |
| Clerks : — | | | |
| George M. Clukas . . | 1,252 00 | | |
| Georgie W. Sanborn . . | 40 74 | | |
| John R. Wilson . . . | 342 00 | | |
| Florence J. Olsson . . | 21 50 | | |
| Foreman, John A. Sheridan . . . . . | 1,260 00 | | |
| Sub-foremen :— | | | |
| Jas. A. Ferguson . . . | 111 00 | | |
| Chas. McHugh . . . | 60 00 | | |
| E. Osborn . . . . . | 928 50 | | |
| John Reilley . . . . | 39 00 | | |
| J. M. Thayer . . . . | 594 00 | | |
| Laborers, as per pay-rolls | 31,624 73 | | |
| | | $38,273 47 | |
| Advertising : — | | | |
| Cambridge Chronicle Co. | $1 38 | | |
| James Cox . . . . . | 26 00 | | |
| | | 27 38 | |
| Brooms, Asa Duren . . . | | 23 36 | |
| Carpentry, Ira. G. Hersey | | 56 69 | |
| Carriage hire : — | | | |
| J. E. Fabyan . . . . | $12 00 | | |
| Lake & Moynahan . . | 1 00 | | |
| G. D. Merrill . . . . | 4 00 | | |
| E. A. Leeman & Co. . . | 5 00 | | |
| H. K. Parsons & Co. . | 5 00 | | |
| M. J. Shea . . . . | 26 00 | | |
| | | 53 00 | |
| Carriage and wagon repairs :— | | | |
| Chapman Carriage Co. . | $126 06 | | |
| F. Ivers & Son . . . | 5 00 | | |
| A. J. Jones . . . . | 5 64 | | |
| Hugh Stewart & Co. . . | 10 75 | | |
| Chas. Waugh & Co. . . | 38 17 | | |
| | | 185 62 | |
| *Amounts carried forward* . | | $38,619 52 | $71,812 72 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $38,619 52 | $71,812 72 |
| For Car tickets, W. E. St. Railway Co. . . . . | | 10 00 | |
| Caps, fuse, etc., Hecla Powder Co. . . . . | | 14 20 | |
| Cash expended, Chas. A. Brown . . . . . | | 32 82 | |
| Clock repairs, A. J. Applegate . . . . . | | 1 50 | |
| Cordage, Sewall & Day Cordage Co. . . . . | | 1 71 | |
| Cutting off Covers, J. H. H. McNamee . . . . . | | 30 | |
| Directory, E. F. Hunt & Co. | | 3 00 | |
| Damages: — | | | |
| Jeremiah Callahan . . | $102 00 | | |
| David F. Coughlin . . | 10 00 | | |
| John Ford . . . . . | 23 00 | | |
| Patrick Glynn . . . . | 18 00 | | |
| Michael Murningham . | 70 00 | | |
| Jas. P. Nolan . . . . | 41 00 | | |
| | ——— | 264 00 | |
| Disinfectants, oil, drugs, Rust & Richardson . . | | 20 59 | |
| Elevator Buckets, Laminar Fibre Co. . . . . | | 90 00 | |
| Extinguisher, Knight & Thomas . . . . . | | 30 00 | |
| Expressage, Hatch & Co. . | | 4 25 | |
| Fuel, Baker-Hunnewell Co. | | 1,770 70 | |
| Gravel:— | | | |
| John McGinniss . . . | $49 50 | | |
| Chas. McMahon . . . | 32 00 | | |
| John T. Scully . . . | 539 40 | | |
| Joshua Stone . . . . | 173 10 | | |
| Josephine E. Stone . . | 387 30 | | |
| John L. Reardon . . . | 34 00 | | |
| | ——— | 1,215 30 | |
| *Amounts carried forward* . | | $42,077 89 | $71,812 72 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $42,077 89 | $71,812 72 |
| For Hardware, tools, supplies : — | | | |
| Ames Plow Co. . . . | $134 99 | | |
| Brock Bros. . . . . | 41 97 | | |
| C. L. Bradlee . . . . | 1 20 | | |
| Burditt & Bynner . . . | 88 10 | | |
| Cook and Cole . . . | 5 00 | | |
| Dodge, Haley & Co. . . | 298 10 | | |
| W. A. Easter . . . . | 54 40 | | |
| H. H. Harvey . . . . | 15 31 | | |
| Moynahan & Co. . . . | 18 05 | | |
| A. M. Robbins . . . | 25 | | |
| W. A. Snow & Co. . . | 2 50 | | |
| Walworth Mfg. Co. . . | 4 45 | | |
| F. A. White . . . . | 71 28 | | |
| | | 735 60 | |
| Harness and repairs : — | | | |
| W. H. Bustin & Son . . | $69 00 | | |
| Jas. Forgie & Son . . | 54 83 | | |
| Hugh McCaffrey . . . | 228 90 | | |
| Thomas McMahon . . | 74 10 | | |
| | | 426 83 | |
| Hay, grain : — | | | |
| Otis S. Brown & Co. . | $266 50 | | |
| P. H. Dardis . . . . | 79 39 | | |
| S. C. Frost . . . . . | 13 05 | | |
| Henry W. Hammond . . | 195 25 | | |
| Merrill & Glazier . . . | 786 03 | | |
| Scott & Bridge . . . | 401 82 | | |
| H. H. Turner & Co. . . | 774 31 | | |
| George G. Wright . . | 976 65 | | |
| | | 3,493 00 | |
| Horse, Lake & Moynahan | | 125 00 | |
| Herb Food, Mountain Herb Food Co. . . . . | | 3 75 | |
| Horse-shoeing, William Balmer . . . . . | | 27 75 | |
| Horse-clipping, John Smith | | 3 00 | |
| Hose, etc., Boston Woven Hose Co. . . . . | | 36 25 | |
| *Amounts carried forward* . | | $46,929 07 | $71,812 72 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $46,929 07 | $71,812 72 |
| For Lighting, Cambridge Electric Light Co. . . . . | | 232 13 | |
| Lumber: — | | | |
| John S. Clary . . . . | $50 31 | | |
| George W. Gale Lumber Co. . . . . | 153 22 | | |
| Wm. H. Wood & Co. . | 216 91 | | |
| Henry J. Winde . . . | 64 32 | | |
| | | 484 76 | |
| Machine, engine, and iron work: — | | | |
| Barbour, Stockwell & Co. | $39 70 | | |
| Wm. Campbell & Co. . | 170 36 | | |
| Wm. H. Gallison . . . | 2 60 | | |
| Ingersoll-Sergeant Drill Co. | 28 50 | | |
| Miller & Shaw . . . . | 14 40 | | |
| | | 255 56 | |
| Medical Attendance: — | | | |
| Dr. Albert August . . | $3 00 | | |
| Dr. J. A. Wolcott . . | 17 00 | | |
| | | 20 00 | |
| Oat meal, George H. Cheever | | 16 40 | |
| Oil, soap, etc.: — | | | |
| E. W. Bigelow & Co. . | $11 25 | | |
| John H. Fuller . . . | 117 10 | | |
| Howe & French . . . | 26 55 | | |
| A. N. Reynolds & Co. . | 24 50 | | |
| Rust & Richardson . . | 5 50 | | |
| Standard Oil Co. . . . | 40 93 | | |
| Wadsworth, Howland & Co. . . . . | 14 83 | | |
| Vacuum Oil Co. . . . | 260 09 | | |
| | | 500 75 | |
| Packing: — | | | |
| Boston Woven Hose Co. | $20 54 | | |
| Gould Packing Co. . . | 21 52 | | |
| | | 42 06 | |
| *Amounts carried forward* . | | $48,480 73 | $71,812 72 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $48,480 73 | $71,812 72 |
| For Pipe : — | | | |
| Greene & Co. . . . . | $16 87 | | |
| D. W. Lewis . . . . | 5 88 | | |
| | | 22 75 | |
| Pipe and Labor, Water Works Dept. . . . . | | 8 50 | |
| Plumbing, Moynahan & Co. | | 31 78 | |
| Powder, American Powder Mills Co. . . . . | | 117 93 | |
| Rent of wharf, Cambridge Gas Light Co. . . . . | | 275 00 | |
| Repairs on Heat apparatus, Moynahan & Co. . . . | | 10 15 | |
| Repairing pump : — | | | |
| George F. Blake Manufacturing Co. . . . | $1 25 | | |
| Hancock Inspection Co. . | 50 | | |
| | | 1 75 | |
| Repairing tools : — | | | |
| Chapman Carriage Co. . | $49 79 | | |
| W. A. Easter . . . . | 34 80 | | |
| A. J. Jones . . . . | 2 91 | | |
| B. Rogers . . . . . | 1 00 | | |
| Daniel J. Sullivan . . | 10 40 | | |
| | | 98 90 | |
| Repairing carts, Ira G. Hersey . . . . . | | 13 34 | |
| Repairing whip, Darling's Whip Manufactory . . | | 3 20 | |
| Reporting, Elizabeth McGinnis . . . . . | | 10 00 | |
| Road Roller, The O. S. Kelly Co. . . . . | | 2,875 00 | |
| Salt, Charles L. Davenport | | 16 50 | |
| Sealing, Sealer of Weights and Measures . . . . | | 2 36 | |
| Stationery and Printing : — | | | |
| W. M. Belcher & Co. . | $2 75 | | |
| Cotton & Gould . . . | 88 80 | | |
| *Amounts carried forward* . | $91 55 | $51,967 89 | $71,812 72 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $91 55 | $51,967 89 | $71,812 72 |
| For Stationery and Printing: — | | | |
| Jas. H. Cox . . . . | 59 75 | | |
| Cashman, O'Connor & Co. | 16 38 | | |
| Stationery Dept. . . . | 46 56 | | |
| | ——— | 214 24 | |
| Sign-posts, John S. Clary . | | 46 95 | |
| Street signs: — | | | |
| Eben Tucker . . . . | $53 00 | | |
| Hill Street Sign Co. . . | 30 00 | | |
| | ——— | 83 00 | |
| Stamp, Turner Manufacturing Co. . . . . | | 1 35 | |
| Stone: — | | | |
| Cambridge Stone Co. . | $100 00 | | |
| S. & R. J. Lombard (paving blocks) . . . . | 897 93 | | |
| Mass. Broken Stone Co. . | 1,936 38 | | |
| Sundry persons (field) . | 8,572 65 | | |
| W. E. St. Railway Co. . | 14 94 | | |
| | ——— | 11,521 90 | |
| Sulpho-Naphthol, Sulpho-Naphthol Co. . . . . | | 75 00 | |
| Supplies: — | | | |
| A. C. Curtis . . . . | $11 41 | | |
| Frank P. Merrill . . . | 6 03 | | |
| Sewall & Day Cordage Co. | 64 | | |
| | ——— | 18 08 | |
| Steam roller repairs and supplies: — | | | |
| Barbour, Stockwell & Co. | $646 74 | | |
| Wm. Campbell & Co. . | 6 45 | | |
| W. R. Fleming & Co. . | 34 19 | | |
| Wm. H. Gallison . . . | 41 30 | | |
| O. S. Kelly Co. . . . | 3 00 | | |
| Wm. C. Oastler . . . | 523 00 | | |
| Miller & Shaw . . . . | 97 74 | | |
| | ——— | 1,352 42 | |
| *Amounts carried forward* . | | $65,280 83 | $71,812 72 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $65,280 83 | $71,812 72 |
| For Stone-crusher repairs: — | | | |
| Barbour, Stockwell & Co. . . . . | $123 39 | | |
| Boston Belting Co. . . | 10 67 | | |
| W. A. Easter . . . . | 6 85 | | |
| Fitz, Dana & Co. . . . | 5 56 | | |
| Wm. H. Gallison . . . | 19 84 | | |
| J. H. Houghton & Co. . | 61 81 | | |
| Edward Kendall & Sons . | 1 50 | | |
| Miller & Shaw . . . . | 92 11 | | |
| S. C. Nightingale & Childs . . . . . | 662 08 | | |
| | | 983 81 | |
| Teaming: — | | | |
| James Boyle . . . . | $22 50 | | |
| Peter Burns . . . . | 22 50 | | |
| John J. Brassil . . . | 22 50 | | |
| T. A. Callahan . . . | 40 50 | | |
| William Condon . . . | 22 50 | | |
| J. J. Connell . . . . | 60 75 | | |
| Timothy Cosgrove . . | 68 62 | | |
| John Coughlin . . . . | 29 25 | | |
| Frank J. Coulter . . . | 22 50 | | |
| Elizabeth Cox . . . . | 37 12 | | |
| Margaret A. Conley . . | 69 75 | | |
| N. J. McConologue . . | 173 25 | | |
| James Culhane . . . | 36 00 | | |
| John T. Culhane . . . | 101 25 | | |
| Patrick J. Curley . . . | 157 50 | | |
| Patrick Dardis . . . . | 31 50 | | |
| James Doherty . . . | 18 00 | | |
| John Doody . . . . | 45 00 | | |
| Joseph Finnick . . . | 72 00 | | |
| Emil Fredrekson . . . | 22 50 | | |
| John Gallivan . . . . | 54 00 | | |
| James Gray . . . . | 31 50 | | |
| Frank Hastings . . . | 22 50 | | |
| J. R. & C. S. Hersum . | 6 00 | | |
| Martin J. Kneeland . . | 126 00 | | |
| *Amounts carried forward* . | $1,315 49 | $66,264 64 | $71,812 72 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $1,315 49 | $66,264 64 | $71,812 72 |
| For Teaming: — | | | |
| A. J. Jones . . . . | 124 87 | | |
| Robt. Leary . . . . | 18 00 | | |
| Patrick Leary . . . . | 49 50 | | |
| Frank Lerner . . . . | 130 50 | | |
| Chas. Linehan . . . . | 16 87 | | |
| Chas. H. Linehan . . . | 18 00 | | |
| Edward Lynch . . . | 210 37 | | |
| Elizabeth Martell . . . | 199 13 | | |
| Timothy Murphy . . . | 16 87 | | |
| John McClellan . . . | 22 50 | | |
| Frank McConologue . . | 90 00 | | |
| Elizabeth McCrehan . . | 226 12 | | |
| Chas. McMahon . . . | 40 50 | | |
| Thos. McSorley . . . | 48 37 | | |
| Thos. H. O'Hara . . . | 30 37 | | |
| Jeremiah O'Keefe . . . | 229 50 | | |
| Timothy O'Keefe . . . | 255 38 | | |
| David O'Mara . . . . | 40 50 | | |
| Henry O'Sullivan . . . | 356 62 | | |
| Michael O'Sullivan . . | 327 37 | | |
| John Quinn . . . . . | 29 25 | | |
| John Quinn, Jr. . . . | 22 50 | | |
| John M. Riley . . . . | 22 50 | | |
| Patrick Riley . . . . | 13 50 | | |
| Thos. Shaw . . . . | 186 75 | | |
| B. F. St. George . . . | 104 62 | | |
| Jeremiah Sullivan . . | 345 38 | | |
| Michael Sullivan . . . | 225 00 | | |
| Peter Tumilty . . . . | 76 50 | | |
| Newey T. Trelegan . . | 261 00 | | |
| | | 5,053 83 | |
| Telephone rent and tolls, N. E. Telephone Co. . . . | | 382 70 | |
| Window, Cutter & Parker . | | 2 50 | |
| Weighing stone, Wm. Maloney . . . . . | | 90 39 | |
| Work on flag-poles, David Cass . . . . . | | 18 66 | |
| Total . . . . . | | | $71,812 72 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Salary of Superintendent | $2,000 00 |
| Clerical Assistance | 1,656 24 |
| Labor | 34,881 23 |
| Teaming | 5,053 83 |
| Stone and Gravel | 12,827 59 |
| Crusher repairs and supplies | 1,075 56 |
| New Steam Roller | 2,875 00 |
| Steam Roller Repairs | 1,352 42 |
| Horses, Harnesses, Carriages, Wagons and repairs | 784 74 |
| Hay and grain | 3,496 75 |
| Hardware, tools and repairs | 1,090 06 |
| Fuel and Lights | 2,002 83 |
| Miscellaneous | 2,716 47 |
| | $71,812 72 |

**Street Department (Paving Gore Street).**

| | | | |
|---|---|---|---|
| Appropriation | | | $12,000 00 |
| Additional Appropriation | | | 2,000 00 |
| | | | $14,000 00 |
| RECEIVED. | | | |
| For Labor and Materials | | $1,957 06 | |
| EXPENDED. | | | |
| For labor as per pay-rolls | | $3,651 76 | |
| Gravel: — | | | |
| John T. Scully | $1,163 25 | | |
| Chas. Linehan | 371 00 | | |
| | | 1,534 25 | |
| Paving blocks: — | | | |
| City of Cambridge | $165 00 | | |
| S. & R. J. Lombard | 6,943 06 | | |
| | | 7,108 06 | |
| Teaming, as per pay-rolls | | 1,359 00 | |
| Stone, S. & R. J. Lombard | | 344 19 | |
| Total | | | 13,997 26 |
| Balance unexpended | | | $2 74 |

## Street Department (Paving).

*Edgestones and Sidewalks.*

| | | |
|---|---|---|
| Appropriation | | $25,000 00 |
| Surplus Revenue | | 3,510 65 |
| Additional Appropriation | | 1,456 97 |
| | | $29,967 62 |

RECEIVED.

| | | |
|---|---|---|
| For Labor and Materials | $1,643 88 | |
| Sidewalk assessments | 13,747 22 | |
| | $15,391 10 | |

EXPENDED.

| | | | |
|---|---|---|---|
| For labor, as per pay-rolls | $14,707 97 | | |
| Foremen: — | | | |
| Jas. A. Ferguson | 420 00 | | |
| John Reilley | 283 50 | | |
| | | $15,411 47 | |
| Bricks, M. W. Sands | | 1,840 15 | |
| Cement, Geo. W. Gale Lumber Co. | | 33 00 | |
| Expert, Henry H. Carter | | 25 00 | |
| Gravel: — | | | |
| John Gallivan | $490 35 | | |
| John McFarland | 13 50 | | |
| John McGinnis | 60 | | |
| Charles Linehan | 35 00 | | |
| Joshua Stone | 105 90 | | |
| Josephine E. Stone | 516 60 | | |
| | | 1,161 95 | |
| Lanterns: — | | | |
| Union Glass Co. | $70 96 | | |
| F. A. White | 5 00 | | |
| | | 75 96 | |
| Lumber, Geo. W. Gale Lumber Co. | | 2 38 | |
| Oil, Standard Oil Co. | | 59 50 | |
| Recutting stone, Thomas Joy | | 72 48 | |
| Repairing tools, Wight & Scorgie | | 13 16 | |
| *Amounts carried forward* | | $18,695 05 | $29,967 62 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $18,695 05 | $29,967 62 |
| For Sand : — | | | |
| John Gallivan . . . . | $114 45 | | |
| Robert T. Ross . . . | 8 00 | | |
| | | 122 45 | |
| Stone, S. & R. J. Lombard | | 7,912 87 | |
| Tools and hardware : — | | | |
| Ames Plow Co. . . . | $131 86 | | |
| Dodge, Haley & Co. . . | 10 11 | | |
| F. A. White . . . . | 6 00 | | |
| Wm. T. Wood & Co. . | 24 00 | | |
| | | 171 97 | |
| Teaming : — | | | |
| James Boyle . . . . | $164 25 | | |
| Peter Burns . . . . | 126 00 | | |
| T. A. Callahan . . . | 225 00 | | |
| Michael Collins . . . | 85 50 | | |
| Wm. Condon . . . . | 49 50 | | |
| Margaret A. Conley . . | 118 12 | | |
| Jas. J. Connell . . . | 13 50 | | |
| T. C. Cosgrove . . . | 238 50 | | |
| John Coughlin . . . | 49 50 | | |
| F. J. Coulter . . . . | 49 50 | | |
| John H. Cox . . . . | 49 50 | | |
| James Culhane . . . . | 63 00 | | |
| John T. Culhane . . . | 123 75 | | |
| P. J. Curley . . . . | 65 25 | | |
| James Doherty . . . | 45 00 | | |
| Joseph Finnick . . . | 207 00 | | |
| John Gallivan . . . . | 252 00 | | |
| James Gray . . . . | 83 25 | | |
| Frank Hastings . . . | 45 00 | | |
| A. J. Jones . . . . | 81 00 | | |
| Martin Kneeland . . . | 56 25 | | |
| Frank Lerner . . . . | 54 00 | | |
| Chas. Linehan . . . . | 49 50 | | |
| Chas. H. Linehan . . . | 45 00 | | |
| Edw. Lynch . . . . | 54 00 | | |
| Elizabeth Martell . . . | 55 12 | | |
| *Amounts carried forward* . | $2,447 99 | $26,902 34 | $29,967 62 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $2,447 99 | $26,902 34 | $29,967 62 |
| For Teaming: — | | | |
| Felix McCabe . . . . | 49 50 | | |
| N. J. McConologue . . | 51 75 | | |
| Elizabeth McCrehan . . | 49 50 | | |
| Chas. McMahon . . . | 48 37 | | |
| Thos. H. O'Hara . . . | 47 25 | | |
| Jeremiah O'Keefe . . . | 36 00 | | |
| David O'Mara . . . . | 132 75 | | |
| John Quinn . . . . | 45 00 | | |
| John Quinn, Jr. . . . | 76 50 | | |
| James Shea . . . . | 2 25 | | |
| | | 2,986 86 | |
| Total . . . . . | | | 29,889 20 |
| Balance unexpended . . | | | $78 42 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Labor . . . . . | $15,411 47 |
| Bricks . . . . . | 1,865 15 |
| Gravel and Sand . . . | 1,284 40 |
| Edgestones and Flagging . | 7,985 35 |
| Teaming . . . . . | 2,986 86 |
| Tools and supplies . . . | 355 97 |
| | $29,889 20 |

**Street Department (Paving Western Avenue).**

| | |
|---|---|
| Appropriation . . . . . | $3,400 00 |

EXPENDED.

| | | |
|---|---|---|
| For Labor, as per pay-rolls . | $2,447 80 | |
| Lumber, Geo. W. Gale Lumber Co. . . . . | 11 28 | |
| Edge-stone, S. & R. J. Lombard . . . . . | 697 56 | |
| Teaming, as per pay-rolls . | 243 00 | |
| Total . . . . . | | 3,399 64 |
| Balance unexpended . . . | | $ 36 |

**Resurfacing Brattle and Craigie Streets.**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $4,150 00 |
| EXPENDED. | | | |
| For Salaries of | | | |
| Sub-Foremen : — | | | |
| E. Osborn . . . . . | $18 00 | | |
| J. M. Thayer . . . . | 100 50 | | |
| Labor, as per pay-rolls . . | 1,757 77 | | |
| | | $1,876 27 | |
| Field-stone : — | | | |
| T. Callahan . . . . | $22 35 | | |
| N. J. McConologue . . | 31 61 | | |
| Timothy O'Keefe . . . | 281 49 | | |
| | | 335 45 | |
| Stone : — | | | |
| S. & R. J. Lombard . . | $768 60 | | |
| Mass. Broken Stone Co. | 176 72 | | |
| | | 945 32 | |
| Weighing, Wm. Maloney . | | 8 95 | |
| Teaming : — | | | |
| James Boyle . . . . . | $47 25 | | |
| John J. Brassil . . . | 141 75 | | |
| Peter Burns . . . . . | 47 25 | | |
| T. Callahan . . . . . | 145 12 | | |
| Michael Collins . . . | 13 50 | | |
| J. J. Connell . . . . | 171 00 | | |
| Margaret A. Conley . . | 47 25 | | |
| John T. Culhane . . . | 49 50 | | |
| Patrick J. Curley . . . | 28 13 | | |
| James Gray . . . . . | 90 00 | | |
| Martin Kneeland . . . | 90 00 | | |
| John McClellan . . . | 22 50 | | |
| Timothy O'Keefe . . . | 90 00 | | |
| | | 983 25 | |
| Total . . . . . | | | 4,149 24 |
| Balance unexpended . . | | | $ 76 |

**Resurfacing Columbia, Third and Kirkland Streets.**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $19,500 00 |
| RECEIVED. | | | |
| From W. E. St. Railway Co. | | $19,500 00 | |
| EXPENDED. | | | |
| For salaries of | | | |
| Sub-foremen : — | | | |
| John Reilley . . . . | $36 00 | | |
| J. M. Thayer . . . . | 135 00 | | |
| Labor, as per pay-rolls . | 4,362 53 | | |
| | | $4,533 53 | |
| Gravel, Josephine Stone . | | 114 60 | |
| Repairing tools, W. A. Easter . . . . . | | 113 01 | |
| Stone : — | | | |
| S. & R. J. Lombard . . | $1,931 91 | | |
| Mass. Broken Stone Co. | 2,649 13 | | |
| W. E. St. Railway Co. . | 364 20 | | |
| Field Stone, Sundry Persons . . . . . | 4,874 77 | | |
| | | 9,820 01 | |
| Teaming : — | | | |
| James Boyle . . . . | $27 00 | | |
| John J. Brassil . . . | 13 50 | | |
| Peter Burns . . . . | 67 50 | | |
| T. A. Callahan . . . | 69 75 | | |
| Michael Collins . . . | 108 00 | | |
| James Condon . . . . | 159 75 | | |
| Wm. Condon . . . . | 81 00 | | |
| Margaret Conley . . . | 78 75 | | |
| J. J. Connell . . . . | 67 50 | | |
| T. C. Cosgrove . . . | 64 12 | | |
| John Coughlin . . . | 140 62 | | |
| Frank J. Coulter . . . | 113 63 | | |
| John H. Cox . . . . | 103 50 | | |
| John T. Culhane . . . | 52 87 | | |
| Patrick Curley . . . . | 58 50 | | |
| James Culhane . . . | 240 75 | | |
| James Doherty . . . . | 82 12 | | |
| *Amounts carried forward* . | $1,528 86 | $14,581 15 | $19,500 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $1,528 86 | $14,581 15 | $19,500 00 |
| For Teaming : — | | | |
| Joseph Finnick . . . | 69 75 | | |
| John Gallivan . . . . | 173 25 | | |
| James Gray . . . . | 205 88 | | |
| Frank Hastings . . . | 72 00 | | |
| Martin Kneeland . . . | 176 63 | | |
| Frank Lerner . . . . | 175 50 | | |
| Charles Linehan . . . | 118 12 | | |
| Charles H. Linehan . . | 85 50 | | |
| Edward Lynch . . . | 183 37 | | |
| Elizabeth Martell . . . | 135 00 | | |
| N. J. McConologue . . | 182 25 | | |
| Elizabeth McCrehan . . | 101 25 | | |
| Jeremiah O'Keefe . . . | 174 38 | | |
| Timothy O'Keefe . . . | 114 75 | | |
| Felix McCabe . . . . | 114 75 | | |
| David O'Mara . . . | 87 75 | | |
| Henry O'Sullivan . . . | 181 12 | | |
| Michael O'Sullivan . . | 110 25 | | |
| Charles McMahon . . | 78 75 | | |
| T. H. O'Hara . . . . | 102 37 | | |
| John Quinn . . . . | 85 50 | | |
| James Shea . . . . | 79 87 | | |
| Jeremiah Sullivan . . . | 192 38 | | |
| Michael Sullivan . . . | 184 49 | | |
| Peter Tumilty . . . . | 51 75 | | |
| W. T. Trelegan . . . | 153 00 | | |
| | | 4,918 47 | |
| Total . . . . . | | | 19,499 62 |
| Balance unexpended . . | | | $ 38 |

**Street Department (Watering).**

| | | |
|---|---|---|
| Appropriation . . . . . | | $22,000 00 |
| RECEIVED. | | |
| For Assessments . . . . | $6,811 29 | |
| Collections . . . . . | 1,251 67 | |
| | $8,062 96 | |
| *Amount carried forward* . | | $22,000 00 |

| | | | |
|---|---|---|---|
| *Amount brought forward* . | | | $22,000 00 |
| | EXPENDED. | | |
| For salary of foreman, Chas. McHugh . . . . . | $508 50 | | |
| Labor, as per pay-rolls . | 851 36 | | |
| Temporary clerical assistance . . . . . | 288 50 | | |
| | | $1,648 36 | |
| Castings, Barbour, Stockwell & Co. . . . . | | 2 50 | |
| Conductors, etc., Boston Woven Hose Co. . . . | | 44 46 | |
| Hardware, tools : — | | | |
| Burditt & Bynner . . | $61 90 | | |
| Dodge, Haley & Co. . . | 81 15 | | |
| F. A. White . . . . | 9 14 | | |
| | | 152 19 | |
| Hose clamps, Bay State Metal Works . . . . | | 5 40 | |
| Leather, Jas. Forgie & Son | | 17 85 | |
| Lumber, Geo. W. Gale Lumber Co. . . . . | | 10 14 | |
| Oils, etc., Howe & French | | 122 60 | |
| Printing, Jas. H. Cox . . | | 3 00 | |
| Springs, Duff Spring Co. . | | 33 49 | |
| Sprinkling attachments, J. L. & H. K. Potter . . | | 1,161 12 | |
| Stationery, Cotton & Gould | | 28 00 | |
| Use of buggy, Chas. Waugh & Co. . . . . | | 1 50 | |
| Use of Horse, P. H. Dardis | | 84 00 | |
| Sprinkling streets : — | | | |
| Jas. P. Brennan . . . | $456 10 | | |
| Thos. F. Cosgrove . . | 425 46 | | |
| James Coyle . . . . | 377 26 | | |
| Elizabeth Cox . . . . | 520 90 | | |
| Patrick H. Dardis . . | 1,328 07 | | |
| Frank Davis . . . . | 476 93 | | |
| John J. Donahue . . . | 498 91 | | |
| *Amounts carried forward* . | $4,083 63 | $3,314 61 | $22,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $4,083 63 | $3,314 61 | $22,000 00 |
| For Sprinkling streets: — | | | |
| John Doody . . . . | 833 73 | | |
| Timothy Eagan . . . | 783 12 | | |
| Emil Fredrekson . . . | 1,277 62 | | |
| Patrick Glennon . . . | 456 53 | | |
| Jas. F. Kelley . . . | 479 13 | | |
| Patrick Leahey . . . | 484 90 | | |
| Thomas Mahar . . . | 511 08 | | |
| P. J. McCarthy . . . | 479 70 | | |
| Thos. McDermott . . | 479 86 | | |
| Robert McMahon . . | 515 95 | | |
| Thomas McSorley . . | 1,004 91 | | |
| John A. Mooney . . . | 513 75 | | |
| Alexander Nixon . . . | 731 12 | | |
| C. J. O'Callahan . . . | 506 58 | | |
| Nancy Richardson . . | 411 07 | | |
| John M. Riley . . . | 1,529 26 | | |
| Patrick Riley, Jr. . . | 417 67 | | |
| Thos. J. Riley . . . . | 417 67 | | |
| Daniel P. Shea . . . | 509 73 | | |
| John D. Shea . . . . | 517 31 | | |
| Michael J. Shea . . . | 520 01 | | |
| Jos. A. Stubbs . . . | 306 66 | | |
| Michael H. Sullivan . . | 436 00 | | |
| John H. Whitston . . | 477 33 | | |
| | | 18,684 32 | |
| Total . . . . . | | | 21,998 93 |
| Balance unexpended . . | | | $1 07 |

**Street Department (Widening Davenport Street).**

| | | |
|---|---|---|
| Appropriation . . . . . | | $475 00 |
| EXPENDED. | | |
| For Labor as per pay-rolls . | $474 63 | |
| Total . . . . . | | 474 63 |
| Balance unexpended . . | | $ 37 |

**Street Department (Widening Harvard Street).**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $1,800 00 |
| EXPENDED. | | | |
| For Foreman, Jas. A. Ferguson | $36 00 | | |
| Labor, as per pay-rolls . . | 430 72 | | |
| | | $466 72 | |
| Bricks, M. W. Sands . . | | 1,280 00 | |
| Stone, S. & R. J. Lombard | | 26 40 | |
| Total . . . . . | | | 1,773 12 |
| Balance unexpended . . | | | $26 88 |

**Treasury Department.**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $13,500 00 |
| RECEIVED. | | | |
| Fees from sundry persons . . | | $1,863 10 | |
| EXPENDED. | | | |
| For salaries of | | | |
| City Treasurer, Wm. W. Dallinger . . . . . | $3,000 00 | | |
| Clerks: — | | | |
| E. G. Stevens . . . . | 1,408 50 | | |
| E. J. Howlett . . . . | 1,235 33 | | |
| J. H. Webber . . . . | 1,043 33 | | |
| C. H. Dodge . . . . | 939 00 | | |
| Lizzie E. Estes . . . | 255 00 | | |
| Temporary . . . . . | 1,329 42 | | |
| | | $9,210 58 | |
| Advertising: — | | | |
| Boston Daily Advertiser | $22 50 | | |
| James Cox . . . . . | 96 71 | | |
| | | 119 21 | |
| Carriage hire, M. J. Fairbanks . . . . . | | 669 00 | |
| Car tickets, W. E. St. Railway Co. . . . . | | 25 00 | |
| Commissions for Collecting Taxes: — | | | |
| Joseph Fox . . . . | $621 17 | | |
| Warren Ivers . . . . | 974 69 | | |
| | | 1,595 86 | |
| *Amounts carried forward* . | | $11,619 65 | $13,500 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $11,619 65 | $13,500 00 |
| For Directories . . . . . | | 10 00 | |
| Fan motor, Clark & Mills . | | 15 00 | |
| Ink stands, H. A. Scranton | | 12 00 | |
| Newspapers . . . . . | | 10 10 | |
| Postage, G. W. Ring . . | | 1,019 20 | |
| Recording deeds, etc., Chas. B. Stevens . . . . . | | 18 79 | |
| Stamps and repairs, L. W. Poole . . . . . | | 11 50 | |
| Stationery and Printing: — | | | |
| Cashman, O'Connor & Co. | $4 37 | | |
| Cotton & Gould . . . | 153 55 | | |
| James H. Cox . . . . | 144 75 | | |
| John H. Ford . . . . | 108 25 | | |
| Harvard Printing Co. . | 6 25 | | |
| Stationery Dept. . . . | 39 44 | | |
| L. F. Weston . . . . | 23 50 | | |
| | | 480 11 | |
| Sundries . . . . . | | 3 00 | |
| Telephone rent and tolls . | | 272 15 | |
| Total . . . . . | | | 13,471 50 |
| Balance unexpended . . | | | $28 50 |

**Water Works (Construction).**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $20,000 00 |
| RECEIVED. | | | |
| For Gravel, labor and materials . . . . . | | $1,022 86 | |
| EXPENDED. | | | |
| For labor, as per pay-rolls . | | $5,906 88 | |
| Advertising: — | | | |
| Cambridge Chronicle Co. | $4 50 | | |
| F. S. Hill . . . . . | 3 00 | | |
| | | 7 50 | |
| Car tickets, W. E. St. Railway Co. . . . . | | 25 00 | |
| *Amounts carried forward* . | | $5,939 38 | $20,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $5,939 38 | $20,000 00 |
| For Castings, fittings and hydrants: — | | | |
| Barbour, Stockwell & Co. | $198 99 | | |
| Chapman Valve Mfg. Co. | 1,108 32 | | |
| Coffin Valve Co. . . . | 35 00 | | |
| Davis & Farnum Mfg. Co. | 240 00 | | |
| Fitchburg Railroad Co. . | 2 34 | | |
| Ludlow Valve Mfg. Co. . | 733 97 | | |
| McNeal Pipe and Foundry Co. . . . . | 99 94 | | |
| Peet Valve Co. . . . | 38 00 | | |
| Anthony P. Smith . . | 90 00 | | |
| George Woodman Co. . | 375 00 | | |
| | | 2,921 56 | |
| Copy of Testimony, Isaac I. Doane . . . . . | | 59 60 | |
| Experts: — | | | |
| Dr. J. L. Hildreth . . | $50 00 | | |
| Dr. F. W. Taylor . . . | 50 00 | | |
| | | 100 00 | |
| Expressage, Savage & Son | | 22 04 | |
| Freight, Fitchburg Railroad Co. . . . . | | 2 75 | |
| Fountain, Henry F. Jenks . | | 40 00 | |
| Labor: — | | | |
| Boston & Maine Railroad Co. . . . . | $9 75 | | |
| Fitchburg Railroad Co. . | 3 25 | | |
| | | 13 00 | |
| Lead, Chadwick Lead Works | | 1,146 90 | |
| Meters: — | | | |
| Hersey Manufacturing Co. . . . . | $1,017 40 | | |
| National Meter Co. . . | 375 60 | | |
| Neptune Meter Co. . . | 17 09 | | |
| Thomson Meter Co. . . | 12 65 | | |
| Henry R. Worthington . | 196 65 | | |
| | | 1,619 39 | |
| *Amounts carried forward* . | | $11,864 62 | $20,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $11,864 62 | $20,000 00 |
| For Packing, Boston Woven Hose Co. . . . . | | 5 30 | |
| Paving blocks, S. & R. J. Lombard . . . . . | | 24 00 | |
| Painting, J. L. P. Ackers . | | 22 30 | |
| Pipe : — | | | |
| Davis & Farnum Mfg. Co. | $162 90 | | |
| McNeal Pipe & Foundry Co. . . . . | 4,823 28 | | |
| Waltham Water Works . | 64 62 | | |
| George Woodman Co. . | 76 96 | | |
| | | 5,127 76 | |
| Plumbing, Levi Hawkes . | | 22 65 | |
| Printing, George E. Crosby & Co. . . . . | | 29 00 | |
| Teaming : — | | | |
| Chas. McMahon . . . | $305 47 | | |
| Peter Tumilty . . . . | 110 25 | | |
| | | 415 72 | |
| Tools : — | | | |
| Burditt & Bynner . . . | $27 00 | | |
| Perrin, Seamans & Co. . | 61 22 | | |
| | | 88 22 | |
| Wharfage, Coleman Bros. | | 50 00 | |
| Use of Land, Frederick H. Viaux . . . . . | | 50 00 | |
| Total . . . . . | | | 17,699 57 |
| Balance unexpended . . | | | $2,300 43 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Castings, hydrants, etc. . | $3,049 78 |
| Labor . . . . . | 5,919 88 |
| Lead . . . . . | 1,146 90 |
| Meters . . . . . | 1,619 39 |
| Miscellaneous . . . . . | 395 35 |
| Pipe . . . . . | 5,127 76 |
| Teaming . . . . . | 440 51 |
| | $17,699 57 |

**Water Works (Fresh Pond Land).**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $65,000 00 |
| EXPENDED. | | | |
| For Carriage-hire: — | | | |
| M. J. Fairbanks . . . | $5 00 | | |
| Lake & Moynahan . . | 5 00 | | |
| Whiting & Smith . . . | 5 00 | | |
| | | $15 00 | |
| Expert, Watson G. Cutter | | 15 00 | |
| Land & Damages, Mary P. Rose . . . . . | | 4,858 35 | |
| Services, appraising: — | | | |
| Millard Fillmore . . . | $25 00 | | |
| J. H. Keenan . . . . | 25 00 | | |
| John McDonald & Sons . | 20 00 | | |
| | | 70 00 | |
| Total . . . . . | | | 4,958 35 |
| Balance unexpended . . | | | $60,041 65 |

**Water Works (Fresh Pond Reservoir).**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $45,000 00 |
| RECEIVED. | | | |
| For Plants, etc. . . . . | | $13 88 | |
| EXPENDED. | | | |
| For Labor, as per pay-rolls . | | $23,804 16 | |
| Advertising: — | | | |
| James Cox . . . . . | $1 25 | | |
| Cambridge Chronicle Co. | 4 50 | | |
| F. S. Hill . . . . . | 5 00 | | |
| | | 10 75 | |
| Boat, O. Sheldon & Co. . | | 75 00 | |
| Car tickets, Fitchburg Railroad Co. . . . . | | 10 20 | |
| Copies of Testimony, etc., Isaac I. Doane . . . | | 23 20 | |
| Examination of Titles, Wm. V. Thompson . . . . | | 15 00 | |
| *Amounts carried forward* . | | $23,938 31 | $45,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $23,938 31 | $45,000 00 |
| For Expressage: — | | | |
| Patrick Clark . . . . | $11 88 | | |
| Savage & Son . . . . | 88 18 | | |
| | | 100 06 | |
| Freight, Fitchburg Railroad Co. . . . . | | 21 03 | |
| Use of Locomotive and Cars, Fitchburg Railroad Co. . | | 2,385 85 | |
| Harrowing and plowing, James Boyle . . . . | | 13 50 | |
| Lumber and milling, M. E. Rideout & Co. . . . . | | 21 35 | |
| Lumber, George W. Gale Lumber Co. . . . . | | 36 77 | |
| Manure: — | | | |
| James Boyle . . . . | $63 00 | | |
| John M. Riley . . . . | 40 35 | | |
| | | 103 35 | |
| Plants: — | | | |
| C. C. Abel & Co. . . . | $38 26 | | |
| Wm. F. Bassett & Son . | 202 35 | | |
| A. Douglas & Sons . . | 11 00 | | |
| Wm. H. Harrison & Sons . . . . . | 55 35 | | |
| Hoopes, Bro., & Thomas | 18 75 | | |
| F. H. Horsford . . . | 118 50 | | |
| Harlan P. Kelsey . . . | 6 25 | | |
| Knauth, Nachod & Kühne | 124 46 | | |
| Jacob W. Manning . . | 29 50 | | |
| Thos. Meehan & Sons . | 190 73 | | |
| Wm. H. Moon Co. . . | 79 25 | | |
| George Pinney . . . . | 54 63 | | |
| L. W. Ross & Co. . . | 423 00 | | |
| Shady Hill Nurseries . . | 64 50 | | |
| | | 1,416 53 | |
| Repairing Bicycle, M. A. Carpenter . . . . . | | 5 75 | |
| *Amounts carried forward* . | | $28,042 50 | $45,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $28,042 50 | $45,000 00 |
| For Services of Experts: — | | | |
| E. F. Bowker, Civil Engineer . . . . . | $4 00 | | |
| French & Bryant, Civil Engineers . . . . | 1,291 32 | | |
| A. E. Hildreth, Expert . | 22 23 | | |
| J. L. Hildreth, M. D. . | 275 00 | | |
| Olmstead, Olmstead & Eliot, Landscape Architects . . . . . | 872 03 | | |
| E. F. Ruppel, M. D. . . | 100 00 | | |
| W. H. Tyler, M. D. . . | 30 00 | | |
| Walter C. Wardwell, Deputy Sheriff . . . | 30 50 | | |
| C. H. Witham, M. D. . | 200 00 | | |
| | | 2,825 08 | |
| Signs, J. D. Hunting . . | | 30 25 | |
| Skips, etc., Carson French Machine Co. . . . . | | 1,692 50 | |
| Supplies, H. M. Grant . | | 22 20 | |
| Tools, fittings, hardware: — | | | |
| Ames Plow Co. . . . | $66 13 | | |
| C. L. Bradlee . . . . | 36 00 | | |
| Burditt & Bynner . . | 25 | | |
| Smith & Winchester Co. | 4 91 | | |
| | | 107 29 | |
| Turning, H. A. Scranton . | | 1 25 | |
| Teaming: — | | | |
| Peter Berube . . . . | $285 00 | | |
| James Boyle . . . . | 714 38 | | |
| Peter Burns . . . . | 213 00 | | |
| Charles Conlan . . . | 491 25 | | |
| John Coughlin . . . | 40 50 | | |
| James Culhane . . . | 30 00 | | |
| John Doody . . . . | 30 00 | | |
| Patrick Dardis . . . | 325 12 | | |
| Sidney J. Davis . . . | 263 25 | | |
| Edward Eager . . . | 280 50 | | |
| Joseph Finnick . . . | 272 25 | | |
| *Amounts carried forward* . | $2,945 25 | $32,721 07 | $45,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $2,945 25 | $32,721 07 | $45,000 00 |
| For Teaming : — | | | |
| Francis Gray . . . . | 128 25 | | |
| John Gallivan . . . | 234 75 | | |
| John B. Griffin . . . | 24 00 | | |
| Michael Green . . . | 12 00 | | |
| John Harney . . . . | 260 25 | | |
| Mrs. Kate Hamilton . . | 265 50 | | |
| Edward Lynch . . . | 41 25 | | |
| John F. Lynch . . . | 41 25 | | |
| Frank Lerner . . . . | 237 00 | | |
| Charles Linehan . . . | 357 75 | | |
| David Landergan . . . | 319 50 | | |
| Jeremiah McCrehan . . | 361 50 | | |
| Elizabeth Martell . . . | 150 00 | | |
| Eugene Moynahan . . | 565 50 | | |
| John A. Mooney . . . | 426 00 | | |
| Michael Murphy . . . | 285 75 | | |
| Martin McDonald . . | 317 25 | | |
| Fred S. Murphy . . . | 38 25 | | |
| P. A. McDonald . . . | 3 00 | | |
| Patrick Norton . . . | 15 00 | | |
| Alexander Nixon . . . | 134 63 | | |
| Timothy O'Keefe . . . | 58 50 | | |
| Thomas H. O'Hara . . | 225 38 | | |
| Thomas O'Hara . . . | 312 00 | | |
| Michael O'Sullivan . . | 246 00 | | |
| Jos. Ray . . . . . | 260 25 | | |
| John M. Riley . . . . | 268 50 | | |
| Michael J. Shea . . . | 130 88 | | |
| Jeremiah Sullivan . . . | 277 50 | | |
| Timothy J. Shine . . . | 40 50 | | |
| James Shea . . . . | 30 00 | | |
| John Powers . . . . | 276 75 | | |
| Peter Tumilty . . . . | 49 50 | | |
| Patrick Curley . . . . | 106 88 | | |
| | | 9,446 27 | |
| Total . . . . . | | | 42,167 34 |
| Balance unexpended . . | | | $2,832 66 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Labor | $23,804 16 |
| Teaming | 9,446 27 |
| Use of Locomotive and cars | 2,385 85 |
| Tools, etc. | 1,799 79 |
| Trees, Plants, Shrubs, etc. | 1,519 88 |
| Services of Landscape Architects, Engineers and Experts | 2,825 08 |
| Miscellaneous | 386 31 |
| | $42,167 34 |

**Water Works (Hobbs Brook Reservoir).**

| | | | |
|---|---|---|---|
| Appropriation | | | $425,000 00 |

RECEIVED.

| | | |
|---|---|---|
| For Grass, etc. | $496 78 | |
| Windmill | 300 00 | |
| | $796 78 | |

EXPENDED.

| | | | |
|---|---|---|---|
| For Labor, as per pay-rolls | | $26,820 78 | |
| Advertising: — | | | |
| Arlington Advocate | $11 25 | | |
| Boston Daily Advertiser | 120 26 | | |
| Boston Herald Co. | 59 25 | | |
| Cambridge Chronicle Co. | 20 60 | | |
| James Cox | 37 28 | | |
| English News Publishing Co. | 28 40 | | |
| F. S. Hill | 20 00 | | |
| Waltham Daily Tribune | 49 25 | | |
| Waltham Evening News | 11 25 | | |
| Waltham Free Press | 39 37 | | |
| | | 396 91 | |
| Analysis, Edward S. Wood | | 30 00 | |
| Building dam, Gennaro, Long & Little | | 12,250 95 | |
| *Amounts carried forward* | | $39,498 64 | $425,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $39,498 64 | $425,000 00 |
| For Board of Employees : — | | | |
| John J. Jurador . . . | $128 00 | | |
| Reuben Wyman . . . | 250 00 | | |
| | | 378 00 | |
| Blue prints and photographic supplies : — | | | |
| Spaulding Print Paper Co. | $2 25 | | |
| John H. Thurston . . | 1 24 | | |
| | | 3 49 | |
| Blasting : — | | | |
| Peter J. O'Malley . . . | $48 75 | | |
| Reuben Wyman . . . | 6 64 | | |
| | | 55 39 | |
| Carriage, Henderson Bros. | | 75 00 | |
| Carriage repairs, James Mullen . . . . . | | 2 50 | |
| Car tickets, Fitchburg Railroad Co. . . . . | | 37 50 | |
| Cash expended for sundries : — | | | |
| J. M. W. Hall . . . | $35 00 | | |
| L. M. Hastings . . . | 2 50 | | |
| John L. Harrington . . | 29 82 | | |
| W. H. Harding . . . | 34 20 | | |
| G. A. A. Pevey . . . | 25 15 | | |
| W. H. Tuck . . . . | 33 21 | | |
| | | 159 88 | |
| Cast iron pipe, R. D. Wood & Co. . . . . | | 1,748 43 | |
| Cement tester, Fairbanks Co. | | 97 00 | |
| Copy of Maps, George H. Walker . . . . . | | 60 00 | |
| Designing Drawings, etc., Coffin Valve Co. . . . | | 96 00 | |
| Examination of Titles, Clarence F. French . . . | | 650 00 | |
| Excavating : — | | | |
| J. H. Leavitt . . . . | $9,777 46 | | |
| Sundry Laborers . . . | 2,323 87 | | |
| *Amounts carried forward* . | $12,101 33 | $42,861 83 | $425,000 00 |

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|---|---|---|---|
| *Amounts brought forward* . | $12,101 33 | $42,861 83 | $425,000 00 |
| For Excavating : — | | | |
| Standard Construction & Supply Co., and Paul S. King, Assignee . . . | 27,494 16 | | |
| Frank X. Saucier . . . | 8 019 60 | | |
| | | 47,615 09 | |
| Expenses incurred in settlement of claims, Edward P. Smith . . . . . | | 208 20 | |
| Expressage : — | | | |
| American Express Co. . | $2 70 | | |
| Savage & Son . . . . | 7 30 | | |
| | | 10 00 | |
| Freight, Boston & Maine Railroad . . . . . | | 287 85 | |
| Fuel, G. F. Frost . . . | | 39 13 | |
| Furnishings : — | | | |
| E. B. Pratt . . . . . | $32 60 | | |
| Addison Burnham . . | 17 00 | | |
| | | 49 60 | |
| Hay and grain : — | | | |
| George B. Pope & Co. . | $69 20 | | |
| Waltham Grain Co. . . | 5 60 | | |
| Reuben Wyman . . . | 3 08 | | |
| | | 77 88 | |
| Heating apparatus : — | | | |
| Atwood & Gove . . . | $3 57 | | |
| P. H. Graves & Son . . | 34 83 | | |
| Greene & Co. . . . . | 8 00 | | |
| | | 46 40 | |
| Horse, Lake & Moynahan . | | 135 00 | |
| Interest on Settlement of Claim, Reuben Wyman . | | 337 50 | |
| Inspections of Water Board : — | | | |
| Carriage hire : — | | | |
| Colby Bros. . . . . | $5 00 | | |
| J. E. Fabyan . . . | 12 00 | | |
| Grafton E. Kirwin . | 445 50 | | |
| *Amounts carried forward* . | $462 50 | $91,668 48 | $425,000 00 |

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|---|---|---|---|
| *Amounts brought forward* . | $462 50 | $91,668 48 | $425,000 00 |
| For Inspections of Water Board : — | | | |
| Carriage hire : — | | | |
| W. J. Richardson . . | 106 00 | | |
| Treasury Dept. . . . | 140 00 | | |
| Whiting & Smith . . | 12 00 | | |
| | | 720 50 | |
| Cigars : — | | | |
| A. R. Bayley & Co. . | $1 50 | | |
| B. P. Clarke & Co. | 7 00 | | |
| Holderer & Macdonald | 31 75 | | |
| | | 40 25 | |
| Refreshments : — | | | |
| Cambridge Club . . | $6 00 | | |
| M. R. Jones . . . | 278 00 | | |
| Joseph Lee . . . . | 56 40 | | |
| | | 340 40 | |
| Labor : — | | | |
| Eugene Buckley . . . | $104 16 | | |
| G. H. Caughey . . . | 72 50 | | |
| Thomas Flynn . . . . | 121 50 | | |
| J. Sullivan . . . . . | 113 00 | | |
| Thomas Sullivan . . . | 19 00 | | |
| | | 430 16 | |
| Land and Damages : — | | | |
| City of Waltham . . . | $15,000 00 | | |
| James Ellsworth . . . | 450 00 | | |
| Frederick W. Farley . . | 2,550 90 | | |
| Thomas Griggs . . . | 3,049 00 | | |
| Heirs of Harriet A. Pratt | 7,969 50 | | |
| Nathan Smith . . . . | 500 00 | | |
| Abbie A. Smith . . . | 3,500 00 | | |
| James & Samuel Stewart | 2,500 00 | | |
| Charles A. Stearns . . | 4,250 00 | | |
| Reuben Wyman . . . | 15,000 00 | | |
| Martha B. Wellington . | 500 00 | | |
| John M. Wellington, *et al.* | 105 00 | | |
| | | 55,374 40 | |
| *Amounts carried forward* . | | $148,574 19 | $425,000 00 |

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|---|---|---|---|
| *Amounts brought forward* . | | $148,574 19 | $425,000 00 |
| For Lumber: — | | | |
| George J. Barker Lumber Co. . . . . | $75 74 | | |
| Buttrick Lumber Co. . . | 50 24 | | |
| George W. Gale Lumber Co. . . . . | 53 64 | | |
| | | 179 62 | |
| Milling, Libby & Larcom . | | 4 47 | |
| Painting and whitewashing: — | | | |
| J. L. P. Ackers . . . | $10 50 | | |
| James Boyle . . . . | 2 00 | | |
| | | 12 50 | |
| Pipe: — | | | |
| G. F. Frost . . . . | $52 78 | | |
| Fred H. Kirwin . . . | 2 25 | | |
| | | 55 03 | |
| Repairing Tools: — | | | |
| Fred C. Gifford . . . | $61 81 | | |
| James Maitland . . . | 6 07 | | |
| | | 67 88 | |
| Robes, Grafton E. Kirwin . | | 9 00 | |
| Recording Deeds, Charles B. Stevens . . . . . | | 26 20 | |
| Reporting: — | | | |
| Elizabeth McGinnis . . | $15 00 | | |
| Rogers & Jones . . . | 300 00 | | |
| | | 315 00 | |
| Services of | | | |
| City Engineer . . . . | | 2,000 00 | |
| Engineering Dept. . . | | 6,945 49 | |
| Consulting Engineer, M. M. Tidd . . . . . | | 639 99 | |
| City Solicitor . . . . | | 1,800 00 | |
| C. G. Bruce . . . . | $50 00 | | |
| John R. Fairbairn . . | 9 28 | | |
| George Flint . . . . | 204 50 | | |
| Sherman Hoar . . . . | 1,506 45 | | |
| Lyman H. Richards . . | 28 00 | | |
| Wm. E. Russell . . . | 80 00 | | |
| | | 1,878 23 | |
| *Amounts carried forward* . | | $162,507 60 | $425,000 00 |

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|---|---|---|---|
| *Amounts brought forward* . | | $162,507 60 | $425,000 00 |
| For Serving Notices, Walter C. Wardwell . . . . . | | 15 00 | |
| Signs, George A. Flagg . | | 4 00 | |
| Surveying instruments, Jas. E. Moody . . . . . | | 18 50 | |
| Stationery and Printing: — | | | |
| American Bank Note Co. | $80 00 | | |
| Cambridge Chronicle Co. | 6 50 | | |
| George E. Crosby . . | 41 50 | | |
| James H. Cox . . . . | 1 50 | | |
| John H. Ford . . . . | 129 05 | | |
| Frost & Adams . . . | 58 79 | | |
| Harvard Printing Co. . | 99 43 | | |
| Thorp & Martin Co. . . | 14 85 | | |
| George Wooley . . . | 19 73 | | |
| | | 451 35 | |
| Transit, Charles C. Hutchinson . . . . . | | 150 00 | |
| Telephone rent and tolls . | | 37 87 | |
| Testing pipes, Pittsburgh Testing Laboratory . . | | 38 75 | |
| Transportation, Fitchburg Railroad Co. . . . . | | 6 12 | |
| Tools, Hardware, Supplies: — | | | |
| Ames Plow Co. . . . | $110 84 | | |
| Burditt & Bynner . . . | 42 50 | | |
| J. A. Higgins . . . . | 19 84 | | |
| Perrin, Seamans & Co. . | 6 69 | | |
| F. A. White . . . . | 23 38 | | |
| | | 203 25 | |
| Type-writing, George B. French . . . . . | | 48 50 | |
| Teaming: — | | | |
| James Boyle . . . . | $605 63 | | |
| Peter Berube . . . . | 408 89 | | |
| William Buckley . . . | 65 32 | | |
| J. F. Cawley . . . . | 147 82 | | |
| Chas. Conlan . . . . | 319 13 | | |
| *Amounts carried forward* . | $1,546 79 | $163,480 94 | $425,000 00 |

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|---|---|---|---|
| *Amounts brought forward* . | $1,546 79 | $163,480 94 | $425,000 00 |
| For Teaming: — | | | |
| John Coughlin . . . . | 288 76 | | |
| Sidney J. Davis . . . | 333 07 | | |
| Frank M. Dempsey . . | 311 26 | | |
| Mark Driscoll . . . . | 354 39 | | |
| John Doody . . . . | 6 19 | | |
| Matthew Ellsworth . . | 527 51 | | |
| Robert J. Fawcett . . | 45 75 | | |
| J. F. Farrar . . . . . | 373 75 | | |
| Joseph Finnick . . . | 115 51 | | |
| John J. Fitzgerald . . | 102 00 | | |
| John Flynn . . . . . | 476 25 | | |
| E. Fredrekson . . . . | 150 76 | | |
| Dominique Garon . . . | 163 13 | | |
| Mrs. A. T. Hunter . . | 645 63 | | |
| Mrs. Kate Hamilton . . | 133 50 | | |
| John Harney . . . . | 270 76 | | |
| Hugh O. Harney . . . | 633 57 | | |
| John H. Hussey . . . | 756 89 | | |
| Chas. Linehan . . . . | 1,858 75 | | |
| David Landergan . . . | 400 45 | | |
| Peter Malone . . . . | 125 13 | | |
| Elizabeth Martell . . . | 408 38 | | |
| R. F. Martell . . . . | 1 38 | | |
| Felix McCabe . . . . | 693 75 | | |
| Jeremiah McCrehan . . | 154 00 | | |
| Martin McDonald . . . | 414 82 | | |
| Charles McMahon . . | 166 07 | | |
| J. A. Mooney . . . . | 792 01 | | |
| Ellen A. Moynahan . . | 585 64 | | |
| Wm. Andrew Nixon . . | 345 07 | | |
| John F. Quinn . . . . | 225 94 | | |
| John H. Quinn . . . | 4 81 | | |
| James Quinn . . . . | 308 12 | | |
| John M. Riley . . . | 41 94 | | |
| Jas. Roach . . . . . | 448 75 | | |
| Catherine Sullivan . . | 450 63 | | |
| Jeremiah Sullivan . . . | 217 57 | | |
| *Amounts carried forward* . | $14,878 68 | $163,480 94 | $425,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $14,878 68 | $163,480 94 | $425,000 00 |
| For Teaming: — | | | |
| Michael Sullivan . . . | 126 00 | | |
| Daniel Shea . . . . | 48 00 | | |
| Timothy J. Shine . . . | 115 50 | | |
| John A. Powers . . . | 230 75 | | |
| Thos. O'Hara . . . . | 158 25 | | |
| Peter Tumilty . . . . | 23 00 | | |
| John H. Whetstone . . | 458 38 | | |
| | | 16,038 56 | |
| Wood-cutting and clearing land: — | | | |
| Jas. T. Calkins . . . | $150 00 | | |
| Andrew J. Dougherty . | 500 00 | | |
| | | 650 00 | |
| Wind-mill; Heirs of Harriet A. Pratt . . . . . | | 100 00 | |
| Valves, etc., Coffin Valve Co. . . . . | | 1,796 00 | |
| Total . . . . . | | | 182,065 50 |
| Balance unexpended . . | | | $242,934 50 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Services of Engineers, Lawyers and Experts . | $13,578 71 |
| Labor . . . . . | 27,628 94 |
| Teaming . . . . . | 16,038 56 |
| Building Dam . . . . . | 12,250 95 |
| Clearing Land and Excavating . . . . . | 48,265 09 |
| Land and Damages . . . | 56,670 10 |
| Inspections by Water Board | 1,101 15 |
| Miscellaneous . . . . . | 2,496 47 |
| Pipe, Valves, etc. . . . | 4,035 53 |
| | $182,065 50 |

**Water Works (Payson Park Reservoir).**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $440,000 00 |
| RECEIVED. | | | |
| For Premium on Bonds . . | | $33,264 00 | |
| EXPENDED. | | | |
| For Abutments for pipe bridge, John Moyle . . . . . | | $802 40 | |
| Advertising: — | | | |
| Boston Herald Co. . . | $39 25 | | |
| Cambridge Chronicle Co. | 3 45 | | |
| James Cox . . . . . | 10 80 | | |
| Engineering News Pub. Co. . . . . | 53 60 | | |
| Engineering Record . . | 65 40 | | |
| | | 172 50 | |
| Bag, Josiah Cummings, Son & Co. . . . . | | 4 50 | |
| Blue prints, photographs and supplies: — | | | |
| D. W. Butterfield . . . | $4 80 | | |
| Benj. French & Co. . . | 10 52 | | |
| Frost & Adams . . . | 56 18 | | |
| John H. Thurston . . | 4 62 | | |
| | | 76 12 | |
| Bricks, M. W. Sands . . | | 213 43 | |
| Building Reservoir, R. A. Malone . . . . . | | 82,607 64 | |
| Canvas, Jas. Martin & Son | | 25 38 | |
| Carpentry: — | | | |
| Thos. S. Hall . . . . | $55 59 | | |
| Z. Hayden . . . . . | 80 64 | | |
| Ira G. Hersey . . . . | 8 98 | | |
| J. H. Keenan & Co. . . | 8 95 | | |
| W. H. Norris . . . . | 14 83 | | |
| | | 168 99 | |
| Car tickets, W. E. St. Railway Co. . . . . | | 125 00 | |
| Carriage hire, Whiting & Smith . . . . . | | 129 00 | |
| *Amounts carried forward* . | | $84,324 96 | $440,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $84,324 96 | $440,000 00 |
| For Cash expended : — | | | |
| J. M. W. Hall . . . | $19 20 | | |
| L. M. Hastings . . . | 46 31 | | |
| Sundry persons . . . | 2 07 | | |
| | | 67 58 | |
| Cement tester, Fairbanks Co. | | 90 00 | |
| Cutting pipe, Geo. F. Blake Mfg. Co. . . . . | | 10 30 | |
| Damages : — | | | |
| Cornelius Mahoney . . | $12 00 | | |
| Wm. J. Murphy . . . | 12 00 | | |
| | | 24 00 | |
| Drilling holes, etc., R. A. Malone . . . . . | | 35 02 | |
| Examining Titles, Wm. V. Thompson . . . . . | | 20 00 | |
| Expressage : — | | | |
| Hatch & Co. . . . . | $6 00 | | |
| Savage & Son . . . . . | 22 15 | | |
| | | 28 15 | |
| Foundations, John T. Scully | | 275 00 | |
| Freight, Fitchburg R. R. Co. | | 203 05 | |
| Fuel, Coleman Bros. . . | | 7 80 | |
| Hardware, tools, repairs, and supplies : — | | | |
| Ames Plow Co. . . . | $25 35 | | |
| Boston Bolt Co. . . . | 55 63 | | |
| Burditt & Bynner . . . | 63 99 | | |
| Dodge, Haley & Co. . . | 28 87 | | |
| Greene & Co. . . . . | 20 55 | | |
| S. C. Higgins . . . . | 5 68 | | |
| Jas. Maitland . . . . | 306 46 | | |
| Morss & Whyte . . . | 7 00 | | |
| Perrin, Seamans & Co. . | 97 86 | | |
| Pettingell, Andrews Co. | 20 91 | | |
| Sundry persons . . . | 2 84 | | |
| F. A. White . . . . | 167 18 | | |
| | | 802 32 | |
| Hose, Packing, etc., Boston Woven Hose Co. . . . | | 53 85 | |
| *Amounts carried forward* . | | $85,942 03 | $440,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $85,942 03 | $440,000 00 |
| For Iron work: — | | | |
| Miller & Shaw . . . | $60 70 | | |
| Smith-Carlton Iron Co. . | 230 00 | | |
| | ——— | 290 70 | |
| Labor, as per pay-rolls . | | 35,319 23 | |
| Land, Henry Richardson . | | 3,500 00 | |
| Lead, etc., Chadwick Lead Works . . . . . | | 121 00 | |
| Lumber: — | | | |
| Geo. W. Gale Lumber Co. | $927 38 | | |
| E. B. James & Co. . . | 32 70 | | |
| Waldo Bros. . . . . | 33 00 | | |
| Wm. H. Wood & Co. . | 5 32 | | |
| | ——— | 998 40 | |
| Magnesia coverings, etc., S. C. Nightingale & Childs | | 19 75 | |
| Mason work: — | | | |
| Frank J. O'Reilley . . | $520 33 | | |
| Stearns & Waterman . | 4 16 | | |
| | ——— | 524 49 | |
| Metal, Calumet & Hecla Mining Co. . . . . | | 297 00 | |
| Oil and supplies, J. A. Holmes & Co. . . . | | 86 70 | |
| Pipe and fittings, valves, etc.: — | | | |
| Barbour, Stockwell & Co. | $81 39 | | |
| Geo. F. Blake Mfg. Co. | 237 57 | | |
| Coffin Valve Co. (valves, sluice-gates, fittings) . | 10,598 43 | | |
| Davis & Farnum Mfg. Co. (special castings) | 4,189 44 | | |
| Hunt-Spiller Mfg. Co. . | 1,024 46 | | |
| Edward Kendall & Sons (riveted steel water pipe) . . . . . | 81,821 42 | | |
| D. W. Lewis . . . . | 179 66 | | |
| Ludlow Valve Mfg. Co. | 380 91 | | |
| Mechanics' Iron Foundry | 274 88 | | |
| *Amounts carried forward* . | $98,788 16 | $127,099 30 | $440,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $98,788 16 | $127,099 30 | $440,000 00 |
| For pipe and fittings, valves, etc. : — | | | |
| Pittsburgh Testing Laboratory (inspecting pipe) . . . . . | 708 00 | | |
| Portland Stone Ware Co. | 19 36 | | |
| Walworth Mfg. Co. . . | 60 22 | | |
| R. D. Wood & Co. (iron pipe) . . . . . | 2,041 12 | | |
| Geo. Woodman Co. . . | 519 39 | | |
| | | 102,136 25 | |
| Printing : — | | | |
| Harvard Printing Co. . | $44 50 | | |
| John Wilson & Son . . | 62 59 | | |
| | | 107 09 | |
| Pumping engine : — | | | |
| Builders' Iron Foundry . | $551 25 | | |
| E. D. Leavitt (furnishing drawings, specifications and estimates . | 8,709 66 | | |
| Thos. Prosser & Son (crucible steam forgings) . . . . . | 795 71 | | |
| | | 10,056 62 | |
| Resurfacing, Street Department . . . . . | | 1,817 56 | |
| Services of engineer, M. M. Tidd . . . . . | | 208 33 | |
| Services of Engineering Dept. . . . . | | 5,036 08 | |
| Services of officer, Town of Belmont . . . . . | | 742 50 | |
| Sods, loam : — | | | |
| R. & J. Farquhar & Co. | $11 70 | | |
| John Gallivan . . . . | 336 11 | | |
| James O'Brien . . . . | 12 00 | | |
| Thos. O'Hara . . . . | 22 00 | | |
| | | 381 81 | |
| *Amounts carried forward* . | | $247,585 54 | $440,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $247,585 54 | $440,000 00 |
| For Stone: — | | | |
| John J. Horgan . . . | $200 00 | | |
| Mass. Broken Stone Co. | 33 09 | | |
| Overseers of the Poor . | 34 68 | | |
| | | 267 77 | |
| Stone, scrapings, etc., Street Dept. . . . . | | 44 89 | |
| Stone work: — | | | |
| Alexander McDonald & Son . . . . . | $11 00 | | |
| John McNamee's Sons . | 42 00 | | |
| | | 53 00 | |
| Sundries . . . . . | | 26 41 | |
| Teaming: — | | | |
| P. Biggin . . . . . | $6 62 | | |
| James Boyle . . . . | 406 12 | | |
| T. A Callaghan . . . | 18 00 | | |
| Wm. Condon . . . . | 12 38 | | |
| Patrick Curley . . . . | 207 00 | | |
| P. H. Dardis . . . . | 277 88 | | |
| John Doody . . . . | 18 00 | | |
| John Gallivan . . . . | 18 00 | | |
| Michael Green . . . . | 12 00 | | |
| Elizabeth Martell . . . | 7 50 | | |
| P. A. McDonald . . . | 8 25 | | |
| Chas. McMahon . . . | 88 76 | | |
| John A. Mooney . . . . | 12 00 | | |
| Patrick Norton . . . | 12 00 | | |
| Mrs. Louisa Quinn . . | 7 50 | | |
| John M. Riley . . . . | 48 37 | | |
| Sundry persons . . . | 8 00 | | |
| Peter Tumilty . . . . | 555 05 | | |
| | | 1,723 43 | |
| Use of camera, J. L. Hildreth, Jr. . . . . | | 7 00 | |
| Use of Engine, John T. Scully . . . . . | | 28 00 | |
| *Amounts carried forward* . | | $249,736 04 | $440,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $249,736 04 | $440,000 00 |
| For Use of pump, E. R. Cheney | | 12 00 | |
| Timbering track, Fitchburg R. R. Co. . . . . | | 50 12 | |
| Total . . . . . | | | 249,798 16 |
| Balance unexpended . . | | | $190,201 84 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Building Reservoir . . | $82,607 64 |
| Land . . . . . | 3,500 00 |
| Laying Pipe . . . . . | 38,884 22 |
| Miscellaneous . . . . | 6,276 00 |
| Plans for Pumping Engine . | 8,709 66 |
| Pipe, Valves, fittings and iron work . . . . . | 104,576 23 |
| Services of Engineers . . | 5,244 41 |
| | $249,798 16 |

**Water Works (Maintenance, General Account).**

| | |
|---|---|
| Appropriation . . . . . | $25,000 00 |
| Additional Appropriation . . . . . | 397 59 |
| | $25,397 59 |

RECEIVED.

| | |
|---|---|
| For Grass, Hay and Wood . | $1,062 11 |

EXPENDED.

| | | |
|---|---|---|
| For Salaries of | | |
| Superintendent, John L. Harrington . . . . . | $1,762 50 | |
| Acting Superintendent, Edw. C. Brooks . . . | 250 00 | |
| Assistant Superintendent, Chas. B. Parker . . . | 151 25 | |
| Clerks : — | | |
| Hattie F. Milligan . . | 771 00 | |
| Grace K. Dame . . . | 245 00 | |
| Temporary clerk . . . | 4 00 | |
| *Amounts carried forward* . | $3,183 75 | $25,397 59 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | $3,183 75 | | $25,397 59 |
| For Salaries of | | | |
| Inspector, F. G. Davis . . | 900 00 | | |
| Mechanic, B. P. Doe . . | 1,077 85 | | |
| Treasurer of Sinking Fund of Water Works, Wm. W. Dallinger . . . . . | 200 00 | | |
| Laborers, as per pay-rolls . | 12,743 20 | | |
| | | $18,104 80 | |
| Advertising : — | | | |
| Cambridge Chronicle Co. | $5 30 | | |
| James Cox . . . . . | 2 10 | | |
| F. S. Hill . . . . . | 3 50 | | |
| | | 10 90 | |
| Bicycle and repairs : — | | | |
| Wm. Read & Sons . . | $65 00 | | |
| Sundry persons . . . | 3 25 | | |
| | | 68 25 | |
| Carpentry, W. H. Norris . | | 62 37 | |
| Carriage and wagon repairs : — | | | |
| Chapman Carriage Co. . | $23 00 | | |
| F. Ivers & Son . . . | 204 50 | | |
| Hugh Stewart & Co. . . | 121 05 | | |
| Chas. Waugh & Co. . . | 43 95 | | |
| | | 392 50 | |
| Car tickets : — | | | |
| Fitchburg R. R. Co. . . | $12 00 | | |
| W. E. St. Railway Co. . | 175 00 | | |
| | | 187 00 | |
| Cash expended : — | | | |
| E. C. Brooks . . . . | $1 50 | | |
| Walter H. Harding . . | 11 92 | | |
| Harry L. Lincoln . . . | 2 00 | | |
| | | 15 42 | |
| Clock repairs : — | | | |
| A. J. Applegate . . . . | $8 00 | | |
| Jas. W. Marshea . . . | 1 00 | | |
| | | 9 00 | |
| *Amounts carried forward* . | | $18,850 24 | $25,397 59 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $18,850 24 | $25,397 59 |
| For Damages, Connecticut Steam Stone Co. . . . | | 40 00 | |
| Desk, Orpin Bros. . . . | | 61 00 | |
| Examination of Document bill, Charles Walker . . | | 5 00 | |
| Express wagon, J. R. Worthen . . . . . | | 160 00 | |
| Expressage: — | | | |
| Hatch & Co. . . . . | $12 85 | | |
| Savage & Son . . . . | 47 89 | | |
| | | 60 74 | |
| Frames, C. F. Davis . . | | 4 75 | |
| Fuel, Coleman Bros. . . | | 30 25 | |
| Gas, Cambridge Gas Light Co. . . . . | | 29 57 | |
| Hardware, tools, machinery and repairs: — | | | |
| American Steam Guage Co. . . . . | $6 50 | | |
| Ames Plow Co. . . . | 32 24 | | |
| Barbour, Stockwell Co. . | 71 83 | | |
| Bliss Bros. . . . . | 5 80 | | |
| Burditt & Bynner . . . | 238 97 | | |
| Chas. Carr . . . . . | 48 75 | | |
| Chapman Valve Mfg. Co. | 98 77 | | |
| Lowell Wrench Co. . . | 21 68 | | |
| James Maitland . . . | 181 41 | | |
| A. M. Robbins . . . | 6 00 | | |
| D. C. Scranton . . . | 13 25 | | |
| Walworth Mfg. Co. . . | 161 75 | | |
| F. A. White . . . . | 204 25 | | |
| Geo. Woodman Co. . . | 196 39 | | |
| Sundry persons . . . | 7 15 | | |
| | | 1,294 74 | |
| Harness and repairs: — | | | |
| Ames Plow Co. . . . | $41 00 | | |
| M. Cavanagh . . . . | 102 45 | | |
| | | 143 45 | |
| *Amounts carried forward* . | | $20,679 74 | $25,397 59 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $20,679 74 | $25,397 59 |
| For Hay and grain : — | | | |
| J. Cushing & Co. . . . | $546 26 | | |
| Patrick Glennon . . . | 44 50 | | |
| | | 590 76 | |
| Horse-shoeing : — | | | |
| Wm. Bell . . . . . | $18 25 | | |
| Thos. Doyle . . . . | 1 00 | | |
| John F. Gurry . . . . | 58 50 | | |
| Thos. Smith . . . . | 202 25 | | |
| | | 280 00 | |
| Hose and packing, Boston Woven Hose Co. . . . | | 80 21 | |
| Ice, Fresh Pond Ice Co. . | | 8 72 | |
| Inspections of Water Board : — | | | |
| Carriage hire : — | | | |
| Irving Blake . . . | $12 00 | | |
| G. H. Buxton & Co. . | 12 00 | | |
| J. Callahan . . . . | 24 00 | | |
| Chas. W. Dailey . . | 12 00 | | |
| M. J. Fairbanks . . | 17 00 | | |
| Patrick Finley . . . | 6 00 | | |
| Lake & Moynahan . . | 12 00 | | |
| Joseph Le Farve . . | 12 00 | | |
| E. A. Leeman & Co. . | 6 00 | | |
| James McGovern . . | 12 00 | | |
| John Nixon . . . . | 12 00 | | |
| H. K. Parsons . . . | 12 00 | | |
| M. J. Shea . . . . | 12 00 | | |
| Whitney & Smith . . | 35 00 | | |
| | | 196 00 | |
| Cigars : — | | | |
| B. P. Clark & Co. . . | $3 50 | | |
| Holderer & Macdonald | 28 25 | | |
| | | 31 75 | |
| Dinners, etc., Joseph Lee | | 302 54 | |
| Printing, J. Frank Facey | | 12 75 | |
| Transportation, Fitchburg R. R. Co. . . . . | | 7 80 | |
| *Amounts carried forward* . | | $22,190 27 | $25,397 59 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $22,190 27 | $25,397 59 |
| For Leather case, W. W. Winship . . . . . | | 5 75 | |
| Lighting apparatus, N. W. Turner Co. . . . . | | 16 75 | |
| Lumber : — | | | |
| Geo. W. Gale Lumber Co. | $82 59 | | |
| Wm. H. Wood & Co. . | 65 23 | | |
| | | 147 82 | |
| Meters and repairs : — | | | |
| National Meter Co. . . | $59 90 | | |
| Thomson Meter Co. . . | 9 95 | | |
| Union Water Meter Co. . | 35 35 | | |
| Henry R. Worthington . | 73 46 | | |
| | | 178 66 | |
| Painting, glazing and papering, J. H. & J. P. Thayer & Co. . . . . | | 28 37 | |
| Payments in accordance with Acts of 1893, Chapter 352 : — | | | |
| City of Waltham . . . | $326 05 | | |
| Town of Belmont . . . | 508 12 | | |
| Town of Weston . . . | 76 00 | | |
| | | 910 17 | |
| Pipe and fittings : — | | | |
| Walworth Mfg. Co. . . | $78 49 | | |
| Geo. Woodman Co. . . | 100 01 | | |
| | | 178 50 | |
| Rent of box, Cambridge Safe Deposit Co. . . . . | | 20 00 | |
| Repairing pipe bridge, D. W. Gage . . . . . | | 58 67 | |
| Rubber Boots : — | | | |
| E. T. Fogg . . . . | $3 00 | | |
| H. Sleap & Co. . . . | 2 60 | | |
| | | 5 60 | |
| Signs, Frank N. Hunting | | 31 25 | |
| *Amounts carried forward* . | | $23,771 81 | $25,397 59 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $23,771 81 | $25,397 59 |
| For Stationery and printing: — | | | |
| Cambridge Chronicle Co. | $23 50 | | |
| Cotton & Gould . . . | 54 25 | | |
| James Cox . . . . . | 2 00 | | |
| James H. Cox . . . . | 5 75 | | |
| Lewis J. Hewitt . . . | 6 75 | | |
| Thorp & Martin Co. . . | 372 32 | | |
| John Wilson & Son . . | 313 55 | | |
| | | 778 12 | |
| Subscriptions: — | | | |
| Engineering Record. . . | $5 00 | | |
| Fire and Water . . . | 3 00 | | |
| | | 8 00 | |
| Sundries . . . . . | | 11 51 | |
| Supplies, J. A. Holmes & Co. . . . . | | 78 80 | |
| Teaming: — | | | |
| James Boyle . . . . | $4 50 | | |
| Peter Tumilty . . . . | 261 50 | | |
| | | 266 00 | |
| Telephone rent and tolls, N. E. Telephone Co. . . | | 370 35 | |
| Use of Horses and Wagons: — | | | |
| F. D. Bartlett . . . . | $110 00 | | |
| Whiting & Smith . . . | 3 00 | | |
| | | 113 00 | |
| Total . . . . . | | | $25,397 59 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Superintendents' salaries | $2,163 75 |
| Clerical Assistance . . . | 1,020 00 |
| Car tickets and carriage hire | 300 00 |
| Carriages, Wagons, and repairs . . . . . | 552 50 |
| Care of Horses, Harnesses, etc. . . . . | 1,014 21 |
| Inspections by Water Board | 550 84 |
| *Amount carried forward* . | $5,601 30 |

| | | |
|---|---|---|
| *Amount brought forward* . | $5,601 30 | |
| For Labor . . . . . | 14,720 85 | |
| Miscellaneous . . . . . | 2,750 80 | |
| Stationery and Printing . | 778 12 | |
| Taxes . . . . . | 910 17 | |
| Teaming . . . . . | 266 00 | |
| Telephone charges . . . | 370 35 | |
| | $25,397 59 | |

**Water Works (Maintenance).**

*Office Expenses.*

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $7,500 00 |
| EXPENDED. | | | |
| For Salaries of | | | |
| Water Registrar, Walter H. Harding . . . . . | $2,200 00 | | |
| Office Clerk, H. L. Lincoln | 1,000 00 | | |
| " " Mabel M. Robbins . . . . . | 488 00 | | |
| | | $3,688 00 | |
| Car tickets, W. E. St. Railway Co. . . . . | | 50 00 | |
| Cash, W. H. Harding . . | | 1 95 | |
| Directories: — | | | |
| E. F. Hunt & Co. . . | $3 00 | | |
| W. A. Greenough & Co. | 2 00 | | |
| | | 5 00 | |
| Rent of office, shop, etc. . | | 2,000 00 | |
| Repairing clock, A. J. Applegate . . . . . | | 2 00 | |
| Stationery and printing: — | | | |
| Cambridge Chronicle Co. | $3 00 | | |
| Cotton & Gould . . . | 76 84 | | |
| Thorp & Martin Co. . . | 20 58 | | |
| | | 100 42 | |
| Subscriptions: — | | | |
| Cambridge Chronicle Co. | $5 00 | | |
| James Cox . . . . . | 2 00 | | |
| F. L. Beunke . . . . | 4 50 | | |
| | | 11 50 | |
| *Amounts carried forward* . | | $5,858 87 | $7,500 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $5,858 87 | $7,500 00 |
| For Type-writer supplies : — | | | |
| W. M. Belcher & Co. . | $1 00 | | |
| J. Hildreth & Co. . . | 5 00 | | |
| George H. Richter & Co. | 4 00 | | |
| | | 10 00 | |
| Total . . . . . | | | 5,868 87 |
| Balance unexpended . . | | | $1,631 13 |

**Water Works (Maintenance).**

*Pumping.*

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $15,000 00 |
| EXPENDED. | | | |
| For Salaries of | | | |
| Engineer, E. C. Brooks . | $1,500 00 | | |
| Asst. Engineer, Wm. Blaisdell . . . . . | 1,042 85 | | |
| Labor as per pay-rolls . . | 4,102 82 | | |
| | | $6,645 67 | |
| Advertising : — | | | |
| Cambridge Chronicle Co. | $5 78 | | |
| Cambridge News . . . | 4 00 | | |
| Jas. Cox . . . . . | 1 50 | | |
| F. S. Hill . . . . . | 4 00 | | |
| | | 15 28 | |
| Bricks, D. W. Lewis . . | | 10 25 | |
| Cement, Geo. W. Gale Lumber Co. . . . . | | 2 50 | |
| Cutting numbers, John McNamee's Sons . . . | | 2 15 | |
| Expressage, Hatch & Son . | | 11 80 | |
| Fuel : — | | | |
| Coleman Bros. . . . . | $3,598 72 | | |
| Richardson & Bacon . . | 3,429 50 | | |
| | | 7,028 22 | |
| *Amounts carried forward* . | | $13,715 87 | $15,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $13,715 87 | $15,000 00 |
| For Hardware, tools, supplies, fittings : — | | | |
| Burditt & Bynner . . . | $21 53 | | |
| Geo. F. Blake Manufacturing Co. . . . . | 101 15 | | |
| Wm. Campbell & Co. . | 8 40 | | |
| Dodge, Haley & Co. . . | 34 63 | | |
| James Maitland . . . | 2 50 | | |
| Pettingell, Andrews Co. | 3 30 | | |
| Walworth Mfg. Co. . . | 50 02 | | |
| | | 221 53 | |
| Ice, Fresh Pond Ice Co. . | | 26 25 | |
| Lamps, Pettingell, Andrews Co. . . . . | | 14 88 | |
| Labor, etc., J. H. Keenan & Co. . . . . | | 4 63 | |
| Lumber and milling, J. H. Keenan & Co. . . . . | | 34 57 | |
| Mason work : — | | | |
| Frank J. O'Reilley . . | $7 00 | | |
| Stearns & Waterman . | 24 96 | | |
| | | 31 96 | |
| Magnabestos coverings, S. C. Nightingale & Childs | | 53 53 | |
| Oil : — | | | |
| E. W. Bigelow & Co. . | $52 50 | | |
| H. M. Dean . . . . | 78 50 | | |
| A. N. Reynolds & Co. . | 22 95 | | |
| Standard Oil Co. . . . | 11 48 | | |
| | | 165 43 | |
| Packing hose : — | | | |
| Boston Woven Hose Co. | $23 73 | | |
| Samuel Kidder . . . | 6 32 | | |
| | | 30 05 | |
| Plumbing, Levi Hawkes . | | 3 45 | |
| Pipe, Portland Stone Ware Co. . . . . | | 90 02 | |
| *Amounts carried forward* . | | $14,392 17 | $15,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $14,392 17 | $15,000 00 |
| For Recording sheet, Standard Thermometer Co. . . . | | 10 00 | |
| Screens, T. B. Wentworth . | | 36 50 | |
| Telephone Rent and Tolls, N. E. Telephone Co. . . | | 218 39 | |
| Waste, W. A. Morrison . | | 9 52 | |
| Water Cooler, Ames Plow Co. . . . . | | 2 60 | |
| Total . . . . . | | | 14,669 18 |
| Balance unexpended . . | | | $330 82 |

**Water Works (Renewal of Main Pipe).**

| | | | |
|---|---|---|---|
| Appropriation . . . . . | | | $50,000 00 |
| EXPENDED. | | | |
| For Labor as per pay-rolls . | | $14,974 76 | |
| Asphalt, shellac, etc., J. L. P. Ackers . . . . | | 30 22 | |
| Advertising: — | | | |
| Cambridge News . . . | $4 00 | | |
| James Cox . . . . . | 1 50 | | |
| | —— | 5 50 | |
| Barrels, Otis S. Brown & Co. | | 1 80 | |
| Carpentry, W. H. Norris . | | 26 06 | |
| Car tickets, W. E. St. Railway Co. . . . . | | 50 00 | |
| Castings, fittings: — | | | |
| Chapman Valve Mfg. Co. | $307 80 | | |
| Davis & Farnum Mfg. Co. | 78 63 | | |
| Ludlow Valve Mfg. Co. . | 1,442 96 | | |
| Anthony P. Smith . . | 312 00 | | |
| Walworth Mfg. Co. . . | 5 25 | | |
| George Woodman Co. . | 263 08 | | |
| | ——— | 2,409 72 | |
| Coffee, Julia Barry . . . | | 1 50 | |
| Expressage, Savage & Son | | 2 15 | |
| Freight, Fitchburg R. R. Co. | | 79 74 | |
| *Amounts carried forward* . | | $17,581 45 | $50,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $17,581 45 | $50,000 00 |
| For Hardware, tools and repairs :— | | | |
| Ames Plow Co. . . . | $2 00 | | |
| Bradlee, Hastings & Co. | 23 00 | | |
| Burditt & Bynner . . . | 129 30 | | |
| James Maitland . . . | 279 72 | | |
| Perrin, Seamans & Co. . | 106 40 | | |
| F. A. White . . . . | 37 00 | | |
| | | 577 42 | |
| Hose, etc. :— | | | |
| Boston Woven Hose Co. | $138 50 | | |
| Perrin, Seamans & Co. . | 62 25 | | |
| | | 200 75 | |
| Lead, Chadwick Lead Works | | 998 74 | |
| Labor, Boston & Albany R. R. Co. . . . . | | 4 50 | |
| Lumber and cement, George W. Gale Lumber Co. . . | | 117 62 | |
| Packing, J. Baker & Co. . | | 83 38 | |
| Pipe, McNeal Pipe & Foundry Co. . . . . | | 22,860 41 | |
| Resurfacing and repairs, Street Dept. . . . . | | 912 00 | |
| Rope, Fay Bros. . . . . | | 3 42 | |
| Stone (Paving) :— | | | |
| H. Gore & Co. . . . | $529 36 | | |
| S. & R. J. Lombard . . | 49 50 | | |
| | | 578 86 | |
| Stone (Cracked), Street Dept. | | 12 26 | |
| Testing Pipe :— | | | |
| Fred A. Hunnewell . . | $26 25 | | |
| Edmund Lincoln . . . | 21 30 | | |
| | | 47 55 | |
| Teaming :— | | | |
| Martin Kneeland . . . | $27 00 | | |
| Chas. McMahon . . . | 422 96 | | |
| Thomas O'Hara . . . | 6 75 | | |
| Thomas Shaw . . . . | 69 75 | | |
| B. F. St. George . . . | 105 75 | | |
| Peter Tumilty . . . . | 256 26 | | |
| | | 888 47 | |
| *Amounts carried forward* . | | $44,866 83 | $50,000 00 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . | | $44,866 83 | $50,000 00 |
| For Wharfage, Coleman Bros. | | 50 00 | |
| Valves, Ludlow Valve Mfg. Co. . . . . | | 75 83 | |
| Use of Land, Frederick Viaux . . . . . | | 50 00 | |
| Total . . . . . | | | 45,042 66 |
| Balance unexpended . . | | | $4,957 34 |

SUMMARY OF EXPENDITURES.

| | |
|---|---|
| For Pipe . . . . . | $22,860 41 |
| Labor and Teaming . . . | 15,863 23 |
| Castings, Fittings, Tools, etc. . . . . | 2,987 14 |
| Lead . . . . . | 998 74 |
| Resurfacing Streets . . . | 1,503 12 |
| Miscellaneous . . . . . | 830 02 |
| | $45,042 66 |

**Water Works (Maintenance).**

*Stony Brook.*

| | |
|---|---|
| Appropriation . . . . . | $1,000 00 |
| Additional Appropriation . . . . . | 78 52 |
| | $1,078 52 |

EXPENDED.

| | | | |
|---|---|---|---|
| For Salary of Gateman, Silas Baxter . . . . . | | $713 40 | |
| Fuel, G. F. Frost . . . | | 35 70 | |
| Glass, J. S. F. Huddleston | | 4 50 | |
| Hardware, tools and supplies : — | | | |
| Silas Baxter . . . . | $2 20 | | |
| Burditt & Bynner . . . | 10 28 | | |
| Morss & Whyte . . . | 17 60 | | |
| | | 30 08 | |
| Lumber : — | | | |
| Buttrick Lumber Co. . . | $3 57 | | |
| George W. Gale Lumber Co. . . . . | 10 80 | | |
| | | 14 37 | |
| *Amounts carried forward* . | | $798 05 | $1,078 52 |

| | | |
|---|---|---|
| *Amounts brought forward* . | $798 05 | $1,078 52 |
| For Pipe, cement, lime, G. F. Frost . . . . . | 9 75 | |
| Repairing stove, Fred H. Kirwin . . . . . | 4 50 | |
| Repairing tools, Thomas Evans . . . . . | 1 25 | |
| Telephone rent and tolls, N. E. Tel. Co. . . . | 261 72 | |
| Teaming, W. E. Kingsbury | 3 25 | |
| Total . . . . . | | $1,078 52 |

**Water Works (Interest on Water Loan).**

| | | |
|---|---|---|
| Appropriation . . . . . | | $88,685 00 |
| RECEIVED. | | |
| For accrued interest on bonds | $1,555 56 | |
| EXPENDED. | | |
| For interest on Water Debt: — | | |
| Coupons . . . . . | $58,880 00 | |
| Registered . . . . | 22,735 00 | |
| Total . . . . . | | 81,615 00 |
| Balance unexpended . . | | $7,070 00 |

**Water Works (Rates, Fines, etc.).**

| | | |
|---|---|---|
| RECEIVED. | | |
| From sundry persons for water rates, fines, etc. . . . | | $275,079 35 |
| EXPENDED. | | |
| For construction of Fresh Pond Reservoir . . . . . | $22,382 33 | |
| Interest on water debt . . | 81,615 00 | |
| Maintenance of Water Works | 92,056 82 | |
| Abatement of Rates, etc. . | 4,892 48 | |
| Refund of Rates . . . . | 2,525 60 | |
| Sinking Fund requirement . | 71,607 12 | |
| | | $275,079 35 |

**Water Works (Rates, Fines, etc.).**

*Abatements.*

| | | |
|---|---|---|
| Appropriation | | $4,000 00 |
| Additional Appropriation | | 1,000 00 |
| | | $5,000 00 |

EXPENDED.

| | | |
|---|---|---|
| For Abatements allowed on Water Rates | $4,892 48 | |
| Total | | 4,892 48 |
| Balance unexpended | | $107 52 |

**Water Works (Rates, Fines, etc.).**

*Refunds.*

| | | |
|---|---|---|
| Appropriation | | $2,000 00 |
| Additional Appropriation | | 525 60 |
| | | $2,525 60 |

EXPENDED.

| | | |
|---|---|---|
| For Water Rates refunded | | $2,525 60 |

**Water Works (Sinking Funds).**

| | | |
|---|---|---|
| Appropriation | | $69,142 50 |
| Surplus Receipts of Water Works | | 4,218 75 |
| | | $73,361 25 |
| Paid to Trustees of Sinking Funds of Water Works | $69,142 50 | |
| Surplus receipts | 4,218 75 | |
| Total | | $73,361 25 |

**Water Works (Supplies).**

| | | |
|---|---|---|
| Appropriation | | $6,400 00 |
| Additional Appropriation | | 505 02 |
| | | $6,905 02 |

RECEIVED.

| | | |
|---|---|---|
| For supply pipes, etc. | $8,668 87 | |
| *Amount carried forward* | | $6,905 02 |

| | | | |
|---|---|---|---|
| *Amount brought forward* . | | | $6,905 02 |
| EXPENDED. | | | |
| For labor as per pay-rolls . . | | $2,744 00 | |
| Expressage, Savage and Son . . . . . | | 9 70 | |
| Fittings, valves, hydrants :— | | | |
| Barbour, Stockwell Co. . | $184 05 | | |
| Chapman Valve Mfg. Co. | 1,186 98 | | |
| James Maitland . . . | 18 20 | | |
| Peet Valve Co. . . . | 16 50 | | |
| Anthony P. Smith . . | 34 00 | | |
| Walworth Mfg. Co. . . | 306 90 | | |
| Geo. Woodman Co. . . | 663 18 | | |
| | | 2,409 81 | |
| Pipe, etc., George Woodman Co. . . . . | | 1,695 26 | |
| Plumbing, Brock Bros. . . | | 46 25 | |
| Total . . . . . | | | $6,905 02 |

**Water Works (Supplies).**

*Abatements.*

| | |
|---|---|
| Appropriation . . . . . | $100 00 |
| EXPENDED. | |
| For abatement of supply bills | 9 72 |
| Balance unexpended . . | $90 28 |

Cambridge Water Works, in account with the City of Cambridge for the year ending November 30, 1895.

**Receipts and Expenditures.**

| | | | |
|---|---|---|---|
| Balance in the City Treasury, to the credit of the Water Works, Nov. 30, 1894 | $191,934 19 | Expended for | |
| Received from sale of bonds | 400,000 00 | General Construction | $17,699 57 |
| Premiums, accrued interest, etc. | 37,715 19 | Fresh Pond Land | 4,958 35 |
| Rates, Fines, etc. | 275,079 35 | Fresh Pond Reservoir | 42,167 34 |
| Supplies | 8,668 87 | Hobbs Brook Reservoir | 182,065 50 |
| | | Payson Park Reservoir | 249,798 16 |
| | | Interest on Water Debt | 81,615 00 |
| | | Sinking Fund | 73,361 25 |
| | | Maintenance | 92,056 82 |
| | | Rates, Fines, etc., Abatements | 4,892 48 |
| | | Rates, Fines, etc., Refunds | 2,525 60 |
| | | Supplies | 6,905 02 |
| | | Supplies Abatements | 9 72 |
| | | Balance carried forward to credit of Water Works | 155,342 79 |
| | $913,397 60 | | $913,397 60 |

## Recapitulation.

| City Department Accounts. | Receipts. | Appropriations. | Expended to Date. | Balances Unexpended. |
|---|---|---|---|---|
| Ambulance Department | $274 00 | $2,269 15 | $2,269 15 | |
| Assessors' Department | | 12,800 00 | 12,797 40 | $2 60 |
| Auditing Department | | 3,600 00 | 3,352 03 | 247 97 |
| Bridge Department | 1,051 85 | 12,500 00 | 12,473 03 | 26 97 |
| Cemetery Department | 17,388 56 | 17,000 00 | 16,999 40 | 60 |
| City Clerk Department | 2,343 55 | 6,450 00 | 6,404 25 | 45 75 |
| City Messenger Department | | 2,700 00 | 2,645 92 | 54 08 |
| Civil Service Department | | 275 00 | 275 00 | |
| Clerk of Committees Department | | 3,708 47 | 3,708 47 | |
| Election Expenses:— | | | | |
| City Clerk | | 4,692 63 | 4,692 63 | |
| Registrars of Voters | | 3,600 00 | 3,452 82 | 147 18 |
| Superintendent of Public Buildings | | 1,331 15 | 1,331 15 | |
| Engineering Department | 12,531 90 | 22,800 00 | 22,743 52 | 56 48 |
| Executive Department | | 5,400 00 | 5,362 15 | 37 85 |
| Fire Department | 307 75 | 82,172 00 | 82,171 99 | 01 |
| Health Department | | 11,500 00 | 11,482 98 | 17 02 |
| Incidental Expenses | 1,956 82 | 14,924 83 | 14,514 68 | 410 15 |
| Inspection of Milk and Vinegar Department | 155 00 | 1,400 00 | 1,388 14 | 11 86 |
| Inspection of Provisions, etc | | 750 00 | 747 89 | 2 11 |
| Inspection of Wires | 942 56 | 10,400 00 | 10,399 82 | 18 |
| Interest | 42,359 99 | 122,011 38 | 118,099 84 | 3,911 54 |
| Lamp Department | 80 | 70,000 00 | 69,926 61 | 73 39 |
| Land Damages | | *57,261 66 | 24,275 13 | 32,986 53 |
| Law Department | 1,800 00 | 3,970 45 | 3,970 45 | |
| Overseers of the Poor Department:— | | | | |
| Almshouse | 859 46 | 20,000 00 | 19,992 99 | 7 01 |
| Farm and Ledge | 14,730 50 | 9,790 88 | 9,788 88 | 2 00 |
| House Offal | 9,045 55 | 25,000 54 | 24,975 54 | 25 00 |
| Outside Aid | 7,647 71 | 44,583 92 | 44,583 92 | |
| Assistant City Physician | | 1,500 00 | 1,500 00 | |
| Park Department:— | | | | |
| Construction | 3,092 47 | *348,000 00 | 192,716 47 | 155,283 53 |
| Maintenance, Interest | | 14,400 00 | 14,060 00 | 340 00 |
| Shade Trees and Public Grounds | 35 37 | 8,500 00 | 8,498 58 | 1 42 |
| Sinking Fund | | 7,200 00 | 7,200 00 | |
| Plumbers' Examiners Department | 45 00 | 153 81 | 153 81 | |
| Police Department | 8,102 04 | 110,800 00 | 110,784 22 | 15 78 |
| Public Library Department:— | | | | |
| Current Expenses | 4,497 11 | 16,500 00 | 16,480 05 | 19 95 |
| Building | | *4,850 00 | 4,584 78 | 265 22 |
| Public Property:— | | | | |
| City Buildings, Care and Repair | 26,803 00 | 21,519 08 | 21 519 08 | |
| Incidentals | | 5,077 86 | 5,077 86 | |
| New Engine House, Ward Two | | *15,000 00 | 14,023 82 | 976 18 |
| New Engine House, Ward Three | | 17,500 00 | 8,369 40 | 9,130 60 |
| New Engine House, Ward Five | | *23,000 00 | 333 38 | 22,666 62 |
| New High School | | *1,275 00 | 1,274 08 | 92 |
| New School House, Ward One | | *39,000 00 | 4,039 11 | 34,960 89 |
| New School House, Ward Three | | *36,300 00 | 21,007 51 | 15,292 49 |
| New School House, Ward Five | | *20,950 00 | 20,846 84 | 103 16 |
| New Shooting Range | | 3,200 00 | 1,378 64 | 1,821 36 |
| Sanitary Arrangements, Schools | | 9,000 00 | 8,595 82 | 404 18 |
| School Houses, Care and Repairs | | 48,000 00 | 47,824 35 | 175 65 |
| School Department:— | | | | |
| Board of Truants | | 1,895 52 | 1,895 52 | |
| Incidentals | | 1,750 00 | 1,639 42 | 110 58 |
| Salaries | 2,072 17 | 240,916 12 | 240,916 12 | |
| Text-Books, etc | 281 36 | 14,315 02 | 14,315 02 | |
| Sealer of Weights and Measures Department | 479 74 | 1,600 00 | 1,491 29 | 108 71 |
| *Amounts carried forward* | $158,804 26 | $1,585,094 47 | $1,305,350 95 | $279,743 52 |

* Appropriation to be provided for by Loan.

## Recapitulation — *Continued.*

| City Department Accounts. | Receipts. | Appropriations. | Expended to date. | Balances Unexpended. |
|---|---|---|---|---|
| *Amounts brought forward* | $158,804 26 | $1,585,094 47 | $1,305,350 95 | $279,743 52 |
| Sewer Department: — | | | | |
| Construction | 11,126 94 | *46,340 00 | 29,253 59 | 17,086 41 |
| Construction, Massachusetts Avenue Storm Relief | | *18,000 00 | 8,054 66 | 9,945 34 |
| Maintenance | 293 99 | 17,307 35 | 17,307 35 | |
| Metropolitan Sewer Connections | | *40,000 00 | 32,937 99 | 7,062 01 |
| Sinking Fund Department: — | | | | |
| General | | 98,940 00 | 98,940 00 | |
| Harvard Bridge | | 8,000 00 | 8,000 00 | |
| State Aid | 14,849 41 | 24,500 00 | 23,159 91 | 1,340 09 |
| Stationery and Printing | 1,160 98 | 2,843 14 | 2,843 14 | |
| Street Department: — | | | | |
| Bridges | | 3,825 00 | 3,824 30 | 70 |
| Cleaning Streets | | 23,000 00 | 22,998 31 | 1 69 |
| Collection of Ashes | | 18,750 00 | 18,749 86 | 14 |
| Construction: — | | | | |
| Charles and Vine Streets | | *3,494 00 | 1,057 30 | 2,436 70 |
| McDonald Street | | *15,914 50 | 9,581 08 | 6,333 42 |
| Seventh Street | | *1,075 00 | | 1,075 00 |
| Maintenance | 3,214 24 | 71,812 72 | 71,812 72 | |
| Paving: — | | | | |
| Gore Street | 1,957 06 | 14,000 00 | 13,997 26 | 2 74 |
| Sidewalks | 15,391 10 | 29,967 62 | 29,889 20 | 78 42 |
| Western Avenue | | 3,400 00 | 3,399 64 | 36 |
| Resurfacing Brattle and Craigie Streets | | 4,150 00 | 4,149 24 | 76 |
| Resurfacing Columbia, Third and Kirkland Streets | 19,500 00 | 19,500 00 | 19,499 62 | 38 |
| Watering | 8,062 96 | 22,000 00 | 21,998 93 | 1 07 |
| Widening Davenport Street | | *475 00 | 474 63 | 37 |
| Widening Harvard Street | | *1,800 00 | 1,773 12 | 26 88 |
| Treasury Department | 1,863 10 | 13,500 00 | 13,471 50 | 28 50 |
| | $236,224 04 | $2,087,688 80 | $1,762,524 30 | $325,164 50 |

| Water Department Accounts. | Receipts. | Appropriations. | Expended. | Balances Unexpen'd. |
|---|---|---|---|---|
| Water Works Department: — | | | | |
| Construction (General Account) | $1,022 86 | *$20,000 00 | $17,699 57 | $2,300 43 |
| Construction (Fresh Pond Land) | | *65,000 00 | 4,958 35 | 60,041 65 |
| Construction (Fresh Pond Reservoir) | 13 88 | *45,000 00 | 42,167 34 | 2,832 66 |
| Construction (Hobbs Brook Reservoir) | 796 78 | *425,000 00 | 182,065 50 | 242,934 50 |
| Construction (Payson Park Reservoir) | 33,264 00 | *440,000 00 | 249,798 16 | 190,201 84 |
| Maintenance (General Account) | 1,062 11 | 25,397 59 | 25,397 59 | |
| Maintenance (Office Expenses) | | 7,500 00 | 5,868 87 | 1,631 13 |
| Maintenance (Pumping) | | 15,000 00 | 14,669 18 | 330 82 |
| Maintenance (Renewal of main pipe) | | 50,000 00 | 45,042 66 | 4,957 34 |
| Maintenance (Stony Brook Reservoir) | | 1,078 52 | 1,078 52 | |
| Interest on Water Loan | 1,555 56 | 88,685 00 | 81,615 00 | 7,070 00 |
| Rates, Fines, etc. | 275,079 35 | | | |
| Rates, Fines, etc. (Abatements) | | 5,000 00 | 4,892 48 | 107 52 |
| Rates, Fines, etc. (Refunds) | | 2,525 60 | 2,525 60 | |
| Sinking Funds | | 73,361 25 | 73,361 25 | |
| Supplies | 8,668 87 | 6,905 02 | 6,905 02 | |
| Supplies (Abatements) | | 100 00 | 9 72 | 90 28 |
| | $321,463 41 | $1,270,552 98 | $758,054 81 | $512,498 17 |

* Appropriation to be provided for by Loan.

## City Treasury.

Dr.

| | | |
|---|---|---|
| To Cash in Treasury, December 1, 1894 | $388,184 70 | |
| Receipts as shown in the foregoing Statement (City Department Accounts) | 236,224 04 | |
| Receipts as shown in the foregoing Statement (Water Department Accounts) | 321,463 41 | |
| Amount received from Collector of Taxes for 1895 | 1,122,985 56 | |
| Amount received from Collector of Taxes for other years | 161,732 56 | |
| Cemetery Fund | 1,963 25 | |
| Commissioners of Sinking Funds | 245,000 00 | |
| Loan, Building | 60,000 00 | |
| Loan, Parks | 100,000 00 | |
| Loan, Sewer | 60,000 00 | |
| Loan, Street | 60,000 00 | |
| Loan, Temporary | 550,000 00 | |
| Loan, Water | 200,000 00 | |
| Loan, Water (Registered) | 200,000 00 | |
| Tax, Corporation | 70,906 71 | |
| Tax, National Bank | 16,759 18 | |
| Trustees of Sinking Fund of Water Works | 160,000 00 | |
| | | $3,955,219 41 |

Cr.

| | | |
|---|---|---|
| By Amount expended as shown in the foregoing Statement (City Department Accounts) | $1,762,524 30 | |
| Amount expended as shown in the foregoing Statement (Water Department Accounts) | 758,054 81 | |
| Abatements (Taxes) | 19,427 40 | |
| Cemetery Fund | 1,963 25 | |
| Loan, Municipal | 200,000 00 | |
| Loan, Paving | 25,000 00 | |
| Loan, Sewer | 20,000 00 | |
| Loan, Temporary | 550,000 00 | |
| Loan, Water | 160,000 00 | |
| Tax, County | 73,887 84 | |
| Tax, Metropolitan Sewer | 61,886 21 | |
| Tax, National Bank | 7,136 92 | |
| Tax Sale, Surplus | 21 81 | |
| Tax, State | 46,800 00 | |
| | | 3,686,702 54 |
| Balance in Treasury | | $268,516 87 |

## Comparative Statement by decades from 1855 to 1895.

| | 1855. | 1865. | 1875. | 1885. | 1895. |
|---|---|---|---|---|---|
| Population | 20,637 | 29,112 | 47,838 | 59,660 | 81,519 |
| Valuation | $15,437,100 00 | $26,085,900 00 | $66,623,014 00 | $55,346,555 00 | $80,911,060 00 |
| City Tax | 100,604 53 | 267,708 60 | 1,060,396 52 | 804,800 00 | 1,103,455 30 |
| County Tax | 10,137 78 | 18,280 99 | 37,580 73 | 29,381 54 | 73,887 84 |
| State Tax | 5,190 00 | 118,487 00 | 58,880 00 | 44,835 00 | 46,800 00 |
| Tax rate per $1,000 | 7 10 | 15 00 | 17 00 | 15 50 | 15 70 |
| Total Expenditures | 173,533 58 | 536,911 82 | 2,605,267 74 | 2,354,298 69 | 3,686,702 54 |
| City Debt | 146,600 00 | 833,092 00 | 4,106,843 21 | 2,361,396 50 | 3,913,634 23 |
| Expenditures by Departments:— | | | | | |
| Bridges | 890 31 | 9,007 77 | 39,068 39 | 11,829 77 | 16,297 33 |
| Cemeteries | 6,553 67 | 16,742 29 | 19,438 66 | 80,399 22 | 16,999 40 |
| Fire Dept. | 9,623 70 | 21,958 74 | 89,949 99 | 59,341 15 | 104,898 59 |
| Lighting Streets | 2,987 32 | 9,062 24 | 20,919 04 | 32,269 07 | 69,926 61 |
| Pauper Dept. | 8,520 41 | 21,481 52 | 79,719 54 | 56,338 24 | 100,841 33 |
| Police Dept. | 4,499 56 | 22,833 14 | 71,093 35 | 78,357 73 | 110,784 22 |
| Public Library | | 1,111 77 | 6,040 04 | 6,643 51 | 21,034 83 |
| Schools | 32,169 16 | 81,842 47 | 258,985 15 | 227,511 77 | 362,353 79 |
| Sewers | 4,610 68 | 3,683 07 | 135,432 28 | 40,945 40 | 149,459 89 |
| Streets | 14,554 73 | 35,638 38 | 155,476 90 | 148,088 65 | 252,154 62 |
| Water Works | | 20,327 79 | 234,431 03 | 485,691 04 | 758,054 81 |

**Schedule of Real Estate Owned by the City of Cambridge, as Shown on the Assessors' Books Nov. 30, 1895.**

| | | | |
|---|---|---|---|
| Cambridge Cemetery: — | | | |
| $60\frac{1}{10}$ acres of land | | $60,000 | |
| 2 houses | | 12,500 | |
| | | | $72,500 |
| Cambridge Public Library: — | | | |
| 135,621 feet of land | | 67,000 | |
| Library Building | | 100,000 | |
| | | | 167,000 |
| Fire Department: — | | | |
| Hook and Ladder No. 2, Portland Street | $12,000 | | |
| 11,931 feet of land | 3,000 | | |
| | | 15,000 | |
| Engine House No. 5, junction Cambridge and Hampshire Streets | 10,000 | | |
| 6,000 feet of land | 5,000 | | |
| | | 15,000 | |
| Police Station, Fourth Street | 20,000 | | |
| 4,220 feet of land | 2,100 | | |
| | | 22,100 | |
| Engine House, S. S. Main, cor. Deacon Street | 12,000 | | |
| 9,400 feet of land | 7,300 | | |
| | | 19,300 | |
| Engine House lot, Mass. Ave. | | 6,000 | |
| Engine House No. 4 and stable, North Avenue | 7,000 | | |
| 6,516 feet of land | 3,000 | | |
| | | 10,000 | |
| Engine House No. 6, River Street | 12,000 | | |
| 4,994 feet of land | 2,500 | | |
| | | 14,500 | |
| Engine House E. S. Lexington Ave. | 11,000 | | |
| 15,262 feet of land | 3,500 | | |
| | | 14,500 | |
| Engine House, Massachusetts Ave. | 26,000 | | |
| 10,000 feet of land | 8,000 | | |
| | | 34,000 | |
| | | | 150,400 |
| *Amount carried forward* | | | $389,900 |

| | | | |
|---|---|---|---|
| *Amount brought forward* . . . | | | $389,900 |
| Pauper Department: — | | | |
| $14\frac{242}{1000}$ acres of land . . . . | | $15,000 | |
| Almshouse buildings . . . . | | 25,000 | |
| | | ——— | 40,000 |
| Public buildings and lands: — | | | |
| City Hall (new), Mass. Ave. . | $200,000 | | |
| 47,878 feet of land . . . . . | 72,000 | | |
| | ——— | 272,000 | |
| City Hall (old), Mass. Ave. . . | 10,000 | | |
| 12,881 feet of land . . . . . | 19,300 | | |
| | ——— | 29,300 | |
| Ward One Building, Mt. Auburn Street . . . . . | 60,000 | | |
| 16,153 feet of land . . . . . | 16,000 | | |
| | ——— | 76,000 | |
| Ward Four Building, Green Street | 50,000 | | |
| 13,028 feet of land . . . . . | 10,500 | | |
| | ——— | 60,500 | |
| Stables, sheds, and scales, Hampshire Street . . . . . | 17,000 | | |
| 72,661 feet of land . . . . . | 30,000 | | |
| | ——— | 47,000 | |
| Lot, W. S. Third St., 10,100 feet | | 5,500 | |
| Lot, N. S. Charles St., 20,000 feet | | 6,000 | |
| Park, Boylston, Mt. Auburn, and Winthrop Streets, 10,236 feet of land . . . . . | | 8,000 | |
| Park, S. S. Broadway, 107,181 ft. land . . . . . | | 54,000 | |
| Park, Hastings Square, 30,000 ft. land . . . . . | | 9,000 | |
| Park, Dana Square, 33,531 ft. land . . . . . | | 12,000 | |
| Park, Pleasant Street, 1,372 ft. land . . . . . | | 1,000 | |
| Park, Pleasant, River, Cottage, and Kinnaird Streets, 1,569 ft. land | | 1,200 | |
| Fort Washington, E. S. Waverly Street, 42,123 ft. land . . . | | 8,000 | |
| *Amounts carried forward* . . | | $589,500 | $429,900 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . . . | | $589,500 | $429,900 |
| Public buildings and lands : — | | | |
| Mill Pond Property, N.S. River St., W. S. Blackstone St., 70,684 ft. | | 29,000 | |
| Lot, E. S. Portland Street, 18,011 feet . . . . . | | 5,500 | |
| 8 lots, E. S. Norfolk Street, 39,600 feet . . . . . | | 12,000 | |
| Lot, Second Street, 26,400 ft. . | | 5,200 | |
| Lot, W. S. Reed Street, 1,500 feet | | 100 | |
| 2 lots, Walden Street, 16,365 feet | | 1,600 | |
| Lot, N. S. River Street, 2,282 feet | | 700 | |
| Flats, S.S. Main Street, 162,000 ft. | | 7,600 | |
| Common, Garden, Mass. Avenue, and Waterhouse Sts., 370,785 ft. | | 150,000 | |
| Park, Mass. Ave., Kirkland and Cambridge Sts., 33,357 feet<br>Park, Mass. Avenue and Harvard Sq., 23,074 feet<br>Park, Mass. Avenue and Holmes Place, 20,956 feet | | 77,000 | |
| Park, Spruce, and Cleveland Sts., 501,729 feet . . . . . | | 30,047 | |
| Lot, W.S. Blackstone St., Western Ave. and Ampere St., 19,934 ft. | | 5,600 | |
| Mill Pond property, S. S. Western Ave., n. Howard, 210,185 feet | | 42,000 | |
| Ward 3, Charles River Parkway, 452,910 feet . . . . . | | 20,500 | |
| Ward 4, Charles River Parkway, 2,164,636 feet. . . . . | | 86,500 | |
| Ward 2, Binney Field : — | | | |
| Building . . . . . | $4,000 | | |
| 468,729 feet of land . . . . | 63,800 | | |
| | ——— | 67,800 | |
| Triangular lot, Mass. Avenue and Arrow Street, 872 feet . . . | | 800 | |
| Burial ground, Mass. Avenue and Garden Street, 85,858 feet . . | | | |
| *Amounts carried forward* . . . | | $1,131,447 | $429,900 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . . . | | $1,131,447 | $429,900 |
| Public buildings and lands; — | | | |
| Triangular lot, Chauncy and Garden Streets, 3,189 feet . . . | | 1,500 | |
| Buildings and land, N. S. Bridge | | 1,000 | |
| | | | 1,133,947 |

SCHOOL HOUSES AND LANDS.

*Ward One.*

| | | | |
|---|---|---|---|
| New High School, Broadway . . | $220,000 | | |
| 154,125 feet of land . . . . . | 84,700 | | |
| | | $304,700 | |
| Washington Grammar, Brattle Street | 30,000 | | |
| 14,951 feet of land . . . . . | 7,000 | | |
| | | 37,000 | |
| Corlett Grammer, Holworthy Street | 3,000 | | |
| 10,000 feet of land . . . . . | 1,000 | | |
| | | 4,000 | |
| Manual Training School, Broadway, Irving and Felton Streets . . . | | 36,200 | |
| Land, 73,128 feet . . . . . | | | |
| Agassiz Primary, Sacramento Street | 18,000 | | |
| 19,689 feet of land . . . . . | 6,000 | | |
| | | 24,000 | |
| Cushing Primary, Cushing Street . | 3,000 | | |
| 14,787 feet of land . . . . . | 1,500 | | |
| | | 4,500 | |
| Dunster Primary, Concord Avenue . | 4,000 | | |
| 10,000 feet of land . . . . . | 2,000 | | |
| | | 6,000 | |
| Holmes Primary, Hilliard St. . . | 6,000 | | |
| 11,182 feet of land . . . . . | 4,500 | | |
| | | 10,500 | |
| Lowell Primary, Lowell Street . . | 7,000 | | |
| 12,033 feet of land . . . . . | 2,500 | | |
| | | 9,500 | |
| Quincy Primary, Mason Street . . | 10,000 | | |
| 8,469 feet of land . . . . . | 5,000 | | |
| | | 15,000 | |
| Riverside Primary, Putnam Avenue | 5,000 | | |
| 11,198 feet of land . . . . . | 3,000 | | |
| | | 8,000 | |
| *Amounts carried forward* . . . | | $459,400 | $1,563,847 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . . . | | $459,400 | $1,563,847 |
| *Ward Two.* | | | |
| Latin High, Fayette Street . . . | $40,000 | | |
| 37,828 feet of land . . . . . | 15,000 | | |
| | | 55,000 | |
| Old Latin High, Lee Street . . . | 10,000 | | |
| 10,100 feet of land . . . . . | 5,000 | | |
| | | 15,000 | |
| Wellington Training, Columbia St. | 16,000 | | |
| 18,870 feet of land . . . . . | 5,700 | | |
| | | 21,700 | |
| Allston Grammar, Boardman Street | 18,000 | | |
| 15,193 feet of land . . . . . | 4,600 | | |
| | | 22,600 | |
| Harvard Grammar, Inman Street . | 40,000 | | |
| 20,494 feet of land . . . . . | 12,000 | | |
| | | 52,000 | |
| Bridge Primary, Pioneer Street . . | 500 | | |
| 4,646 feet of land . . . . . | 1,400 | | |
| | | 1,900 | |
| Dana Primary, Centre Street . . | 2,000 | | |
| 14,317 feet of land . . . . . | 4,300 | | |
| | | 6,300 | |
| Felton Primary, Amory Street . . | 6,000 | | |
| 15,090 feet of land . . . . . | 4,500 | | |
| | | 10,500 | |
| Gannett (old) Primary, Columbia St. | 2,000 | | |
| 8,803 feet of land . . . . . | 2,500 | | |
| | | 4,500 | |
| Gannett (new) Primary, Jefferson St. | 12,000 | | |
| 15,434 feet of land . . . . . | 3,000 | | |
| | | 15,000 | |
| Sargeant Primary, Broadway . . | 3,000 | | |
| 9,995 feet of land .. . . . . | 4,000 | | |
| | | 7,000 | |
| Stearns Primary, Harvard Street . | 3,000 | | |
| 10,050 feet of land . . . . . | 5,000 | | |
| | | 8,000 | |
| Parker Primary, S. S. Broadway . | 15,000 | | |
| 12,329 feet of land . . . . . | 7,000 | | |
| | | 22,000 | |
| *Amounts carried forward* . . . | | $700,900 | $1,563,847 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . . . | | $700,900 | $1,563,847 |
| *Ward Three.* | | | |
| Putnam Grammar, Fourth and Otis Streets . . . . . | $60,000 | | |
| 11,900 feet of land . . . . . | 8,300 | | |
| | | 68,300 | |
| Thorndike Grammar, Thorndike St. | 30,000 | | |
| 10,027 feet of land . . . . . | 4,000 | | |
| | | 34,000 | |
| Gore Primary, Gore Street . . . | 25,000 | | |
| 9,900 feet of land . . . . . | 4,000 | | |
| | | 29,000 | |
| Lassell Primary, Charles Street . . | 8,000 | | |
| 10,000 feet of land . . . . . | 2,500 | | |
| | | 10,500 | |
| Otis Primary, Otis Street . . . . | 12,000 | | |
| 8,270 feet of land . . . . . | 4,000 | | |
| | | 16,000 | |
| *Ward Four.* | | | |
| Webster Grammar, Upton Street . | $50,000 | | |
| 25,839 feet of land . . . . . | 9,000 | | |
| | | 59,000 | |
| Boardman Primary, Winsor Street . | 12,500 | | |
| 10,018 feet of land . . . . . | 4,000 | | |
| | | 16,500 | |
| Tarbell Primary, Grigg Street . . | 8,000 | | |
| 19,500 feet of land . . . . . | 4,000 | | |
| | | 12,000 | |
| Willard Primary, Lake Street . . | 20,000 | | |
| 20,079 feet of land . . . . . | 5,000 | | |
| | | 25,000 | |
| Morse School House on Allston and Brookline Streets . . . . . | 73,000 | | |
| 25,650 feet of land . . . . . | 7,000 | | |
| | | 80,000 | |
| *Ward Five.* | | | |
| Peabody Grammar, Linnæan Street | $27,000 | | |
| 21,813 feet of land . . . . . | 8,000 | | |
| | | 35,000 | |
| *Amounts carried forward* . . . | | $1,086,200 | $1,563,847 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . . . | | $1,086,200 | $1,563,847 |
| Shepard Grammar, Mass. Avenue . | $20,000 | | |
| 14,755 feet of land . . . . . | 7,000 | | |
| | | 27,000 | |
| Reed Primary, Reed Street . . . | 4,000 | | |
| 12,000 feet of land . . . . . | 1,200 | | |
| | | 5,200 | |
| Wyman Primary, Spruce Street . | 6,000 | | |
| 14,347 feet of land . . . . . | 3,500 | | |
| | | 9,500 | |
| Sleeper School, Dudley Street . . | 29,000 | | |
| 21,284 feet of land . . . . . | 4,000 | | |
| | | 33,000 | |
| | | | 1,160,900 |
| Sewer Department : — | | | |
| 23,707 feet of land, Pilgrim Street | | 5,900 | |
| Stables, shed, house, and building | | 4,100 | |
| | | | 10,000 |
| Water Works : — | | | |
| House, shop and stables, S.S. Concord Avenue . . . . . | 4,000 | | |
| $27\frac{33}{100}$ acres of land . . . . . | 16,700 | | |
| | | 20,700 | |
| Land, S.S. Concord Avenue, $\frac{5}{8}$ acre | | 300 | |
| Land, E. S. Woodlawn Avenue, 15,735 feet . . . . . | | 800 | |
| Lot, rear of Grove Street, 272,800 feet . . . . . | | 2,000 | |
| Lot, S. S. Concord Avenue, 99,000 feet . . . . . | | 1,000 | |
| Land, S. S. Concord Avenue, 11,220 feet . . . . . | | 100 | |
| Two lots, S. S. Concord Avenue, 219,400 feet . . . . . | | 2,200 | |
| Gate-house lot, Concord Avenue, 43,560 feet . . . . . | | 400 | |
| Lot, S. S. Concord Avenue, 24,100 feet . . . . . | | 300 | |
| Fresh Pond Lane, $11\frac{1}{4}$ acres of land | | 11,000 | |
| *Amounts carried forward* . . . | | $38,800 | $2,734,747 |

| | | |
|---|---|---|
| *Amounts brought forward* . . . | $38,800 | $2,734,747 |
| Water Works : — | | |
| Kingsley Park, Fresh Pond Lane, 309,336 feet . . . . . | 8,000 | |
| Lot, rear Fresh Pond Lane, 364,608 feet . . . . . | 3,500 | |
| Lot, Woodlawn Avenue, 107,616 feet . . . . . | 8,000 | |
| Lot, Woodlawn Avenue, 26,989 ft. | 1,600 | |
| Lot, rear Fresh Pond Lane, 239,541 feet . . . . . | 5,000 | |
| Lot, Woodlawn Avenue, 91,040 ft. | 2,000 | |
| Lot, Holworthy Street, 18,480 ft. | | |
| Lot, W. S. Cushing St., 22,348 ft. | 700 | |
| Lot, E. S. Cushing Street, 41,053 feet . . . . . | 800 | |
| Lot, Cushing Street, cor. Woodland Avenue, 95,482 feet . . | 2,000 | |
| Lot, Woodland Avenue, 24,096 feet . . . . . | 1,900 | |
| Lot, E. S. Cushing St., 222,750 ft.<br>Lot, E.S. Cushing St., 416,800 ft. | 4,000 | |
| Two lots, near Fresh Pond and Adams Place, 110,891 feet . | 1,000 | |
| Land, Adams Place, 55,275 feet .<br>105,322 feet . . . . . | 1,400 | |
| Lot, Woodlawn Avenue, 25,216 feet of land . . . . . | 1,200 | |
| Land, Woodlawn Avenue, 133,379 feet . . . . . | 13,700 | |
| Gravel pit, S. S. Concord Avenue, 397,417 feet . . . . . | 3,000 | |
| 190,500 feet of land, Adams Street | 4,300 | |
| Lot, W. S. Cushing Street, 91,112 feet . . . . . | 500 | |
| Near Concord Avenue, 4½ acres . | 5,000 | |
| Adams Place, 419,222 feet of land | 10,000 | |
| S. S. Concord Avenue, 10,805 feet of land . . . . . | 500 | |
| *Amounts carried forward* . . . | $116,900 | $2,734,747 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* . . . | | $116,900 | $2,734,747 |
| Water Works :— | | | |
| S. S. Concord Avenue, 32,425 feet of land . . . . . | | 700 | |
| S. S. Concord Avenue, 62,000 feet of land . . . . . | | 1,200 | |
| Lot, Adams Street, $1\frac{3}{4}$ acres . . | | 1,000 | |
| Concord Avenue, 294,000 feet of land . . . . . | | 3,000 | |
| Tudor Park, near Concord Avenue, 57,312 feet of land . . . . | | | |
| Pumping Station, Worthington St., 90,414 feet of land . . . . | | 61,000 | |
| One house and stable, Lexington Avenue, Lake View Avenue, and Vassal Lane, 88,077 feet of land | | 14,100 | |
| Reservoir, Reservoir Street, 91,003 feet of land . . . . . | | 18,000 | |
| Two houses, stable and sheds, and building, S. S. Auburn Street . | $5,700 | | |
| 33,300 feet of land . . . . . | 6,600 | | |
| | | 12,300 | |
| Lot, Grove Street, 150,000 feet . | | 1,500 | |
| Land and buildings, Grove Street, 519,000 feet . . . . . | | 11,000 | |
| Lot, Fresh Pond Lane, cor. Huron Avenue, 46,479 feet . . . . | | 6,900 | |
| | | | 247,600 |
| Total . . . . . | | | $2,982,347 |

The following is a schedule of property used for religious, charitable, and educational purposes, and exempt from taxation by law, not including that owned by the City of Cambridge, as shown on the Assessors' Books November 30, 1895.

**Exempted Property.**

*Ward One.*

| | | |
|---|---|---|
| Christ Church, Episcopal, Garden Street: — | | |
| Church . . . . . | $12,000 00 | |
| 22,701 feet of land . . | 12,000 00 | |
| | | $24,000 00 |
| First Parish Church, Unitarian: — | | |
| Church, Mass. Ave. . | 20,000 00 | |
| 14,764 feet of land . . | 22,000 00 | |
| | | 42,000 00 |
| Cambridge Social Union: — | | |
| House, No. 42 Brattle Street . . . . . | 5,000 00 | |
| $\frac{13}{22}$ of hall . . . . . | 7,000 00 | |
| 9,030 feet of land . . | 6,700 00 | |
| | | 18,700 00 |
| Epworth M. E. Church: — | | |
| Church, Mass. Ave. . | 80,000 00 | |
| 11,248 feet of land . . | 10,000 00 | |
| | | 90,000 00 |
| Old Cambridge Baptist Society: — | | |
| Church, Mass. Ave. and Harvard Streets . . | 86,000 00 | |
| 34,573 feet of land . . | 24,000 00 | |
| | | 110,000 00 |
| Shepard Congregational Society: — | | |
| Church, Garden Street . | 110,000 00 | |
| 34,556 feet of land . . | 28,000 00 | |
| | | 138,000 00 |
| *Amounts carried forward* | | $422,700 00 |

| | | |
|---|---|---|
| *Amounts brought forward* | | $422,700 00 |
| St. Peter's, Roman Catholic: — | | |
| Church, Concord Avenue | $45,000 00 | |
| 32,000 feet of land . . | 10,000 00 | |
| | | 55,000 00 |
| St. Paul's Roman Catholic: — | | |
| Church, Mt. Auburn St. | 30,000 00 | |
| 11,216 feet of land . . | 8,000 00 | |
| | | 38,000 00 |
| St. Paul's Catholic School Association: — | | |
| Personal property . . | 1,500 00 | |
| School building . . . | 55 000 00 | |
| House, Arrow and Mt. Auburn Streets . . | 7,000 00 | |
| 29,091 feet of land . . | 15,000 00 | |
| | | 78 500 00 |
| Cambridge Hospital: — | | |
| Personal property . . | 116,762 40 | |
| Building, Mt. Auburn St. and 412,487 feet of land . | 95,032 31 | |
| | | 211,794 71 |
| Longfellow Memorial Association: — | | |
| Personal property . . | 16,442 14 | |
| Park, S.S. Brattle Street, 93,618 feet . . . | 46,000 00 | |
| | | 62,442 14 |
| Episcopal Theological School, Trustees of: — | | |
| Personal property . . | 129,655 02 | |
| Chapel, seminary, dormitories, Brattle and Mason Streets, and Hastings Avenue . . Two houses, Hawthorne and Acacia Streets . Two houses, Mason St. and Phillips Place . | 239,185 39 | |
| | | 368,840 41 |
| *Amounts carried forward* . | | $1,237,277 26 |

| | | |
|---|---|---|
| *Amounts brought forward* | | $1,237,277 26 |
| Avon Home, Mt. Auburn Street: — | | |
| Building . . . . . | 22,000 00 | |
| 69,751 feet of land. . | 17,000 00 | |
| Personal property . . | 41,545 07 | |
| | | 80,545 07 |
| Holy Ghost Hospital for Incurables: — | | |
| Personal Property . . | 20,000 00 | |
| Building, Cambridge St. | 4,000 00 | |
| 218,321 feet of land . | 43,000 00 | |
| | | 67,000 00 |
| Radcliffe College: — | | |
| Personal property . . | 156,000 00 | |
| Two houses, laboratory and gymnasium, Garden and Mason Streets | 41,000 00 | |
| 43,558 feet of land . . | 36,000 00 | |
| | | 233,000 00 |
| The Corporation of the New Church Theological School: — | | |
| Personal Property . . | 70,039 00 | |
| Two houses and stable, 42–48 Quincy Street . | 16,000 00 | |
| 82,880 feet of land . . | 48,000 00 | |
| | | 134,039 00 |
| President and Fellows of Harvard College: — | | |
| Personal property . | 5,756,798 00 | |
| Dormitories, chapels, laboratories, museums, lecture rooms and houses, including Ward Five property . | 2,984,050 00 | |
| | | 8,740,848 00 |
| *Amount carried forward* | | $10,492,709 33 |

| | | | |
|---|---|---|---|
| *Amount brought forward* | | | $10,492,709 33 |
| | *Ward Two.* | | |
| Baptist Church, Trustees of funds of: — | | | |
| Chapel, Hampshire St. . | $3,000 00 | | |
| 2,560 feet of land . . | 800 00 | | |
| | | $3,800 00 | |
| Broadway Bap. Church: — | | | |
| Church, W. S. Boardman Street . . . . . | 30,000 00 | | |
| 13,620 feet of land . . | 8,000 00 | | |
| | | 38,000 00 | |
| Cambridgeport Unitarian Society: — | | | |
| Church, N. S. Austin Street . . . . . | 18,000 00 | | |
| 13,116 feet of land . . | 8,000 00 | | |
| | | 26,000 00 | |
| Harvard Street M. E. Society: — | | | |
| Church, N. S. Harvard Street . . . . . | 22,000 00 | | |
| 10,030 feet of land . . | 8,000 00 | | |
| | | 30,000 00 | |
| St. Paul's A.M.E. Church: — | | | |
| Church, N. S. Hastings Street . . . . . | 2,000 00 | | |
| 5,386 feet of land . . | 2,000 00 | | |
| | | 4,000 00 | |
| Hope Congregational Church: — | | | |
| Church, N. S. Harvard Street . . . . . | 8,000 00 | | |
| 6,000 feet of land . . | 3,000 00 | | |
| | | 11,000 00 | |
| First Evangelical Congregational Society: — | | | |
| Church, W. S. Prospect Street . . . . . | 40,000 00 | | |
| 19,153 feet of land . . | 12,000 00 | | |
| | | 52,000 00 | |
| *Amounts carried forward* | | $164,800 00 | $10,492,709 33 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* | | $164,800 00 | $10,492,709 33 |
| First A. M. E. Society: — | | | |
| House, 108 Hastings St. | $600 00 | | |
| 1,616 feet of land . . | 500 00 | | |
| | | 1,100 00 | |
| First Universalist Society of Cambridge: — | | | |
| Church, E. S. Inman St. | 20,000 00 | | |
| 15,312 feet of land . . | 11,300 00 | | |
| | | 31,300 00 | |
| St. Mary's Parochial School: — | | | |
| Church, W. S. Norfolk, corner Harvard Street | 45,000 00 | | |
| Girls' School, S. S. Harvard Street . . . . | 60,000 00 | | |
| Boys' School, E. S. Essex Street . . . . . | 18,000 00 | | |
| Sisters' Home, 50 and 52 Essex Street . . . | 7,000 00 | | |
| 57,428 feet of land . . | 20,000 00 | | |
| Theatre, E. S. Norfolk Street . . . . . | 15,000 00 | | |
| 13,032 feet of land . . | 6,500 00 | | |
| Gymnasium, E. S. Prospect Street . . . | 35,000 00 | | |
| 11,370 feet of land . . | 5,600 00 | | |
| House, 55 Norfolk Street | 7,500 00 | | |
| 7,500 feet of land . . | 2,300 00 | | |
| | | 221,900 00 | |
| Union M.E. Church, Trs. of: — | | | |
| 6,347 feet of land . . | | 12,600 00 | |
| Union M.E. Church, Trs. of: — | | | |
| Mass. Ave., 1 house . | 5,500 00 | | |
| 4,992 feet of land . . | 10,000 00 | | |
| | | 15,500 00 | |
| Cambridge Home for Aged People, 157 Hancock Street: — | | | |
| Personal property . . | 33,806 76 | | |
| 12,094 feet of land . . | 6,000 00 | | |
| One house . . . . | 7,000 00 | | |
| | | 46,806 76 | |
| *Amounts carried forward* | | $494,006 76 | $10,492,709 33 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* | | $494,006 76 | $10,492,709 33 |
| St. Bartholomew's Church, | | | |
| W. S. Columbia Street . | $6,000 00 | | |
| 5,562 feet of land . . | 1,500 00 | | |
| | | 7,500 00 | |
| St. Luke's Reformed Episcopal Church, N. S. Harvard, corner of Inman Street: — | | | |
| 6,250 feet of land . . | 4,700 00 | | |
| Church building . . . | 9,000 00 | | |
| | | 13,700 00 | |
| First United Presbyterian Church: — | | | |
| Church, S. S. Camb. St. | 6,000 00 | | |
| 9,173 feet of land . . | 4,600 00 | | |
| | | 10,600 00 | |
| Holy Ghost Hospital for Incurables, Cambridge Street: — | | | |
| 70,858 feet of land . . | | 10,000 00 | |
| | | | 535,806 76 |
| *Ward Three.* | | | |
| First Methodist Episcopal Church: — | | | |
| Church, Cambridge, corner Third Street . . | $25,000 00 | | |
| 5,000 feet of land . . | 12,500 00 | | |
| | | $37,500 00 | |
| Mass. Baptist Convention, Tr.: — | | | |
| Church, Cambridge and Fourth Streets . . | 25,000 00 | | |
| 6,000 feet of land . . | 10,000 00 | | |
| | | 35,000 00 | |
| Mission of the Ascension: — | | | |
| Church, Third and Thorndike Streets . | 5,000 00 | | |
| 5,000 feet of land . . | 4,000 00 | | |
| | | 9,000 00 | |
| *Amounts carried forward* | | $81,500 00 | $11,028,516 09 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* | | $81,500 00 | $11,028,516 09 |
| Second Universalist Society:— | | | |
| Church, Otis Street . . | $16,000 00 | | |
| 5,000 feet of land . . | 3,000 00 | | |
| | | 19,000 00 | |
| St. John's Church:— | | | |
| Church, Fourth Street . | 5,000 00 | | |
| 5,000 feet of land . . | 3,000 00 | | |
| | | 8,000 00 | |
| Church of the Sacred Heart:— | | | |
| Church, Sixth, Otis, and Seventh Streets . . | 70,000 00 | | |
| 30,000 feet of land . . | 12,000 00 | | |
| | | 82,000 00 | |
| County of Middlesex:— | | | |
| Court House, Third, Otis, and Thorndike Streets . . . . . | 70,000 00 | | |
| Registry of Deeds, Second, Otis, and Third Sts. . | 175,000 00 | | |
| 60,000 feet of land . . | 36,000 00 | | |
| | | 281,000 00 | |
| Engine House, cor. Otis and Third Sts. . . . | 14,000 00 | | |
| 53,034 feet of land . . | 53,000 00 | | |
| | | 67,000 00 | |
| House of Correction, Jail, and shops, Thorndike, Third, Spring, and Second Streets . . . . | 250,000 00 | | |
| 60,000 feet of land . . | 24,000 00 | | |
| | | 274,000 00 | |
| St. John Lit. Institute:— | | | |
| Hall and stores, Cambridge Street, $\frac{2}{3}$ value | 20,000 00 | | |
| $\frac{1}{2}$ of 6,300 feet of land . | 4,700 00 | | |
| Cash assets . . . . | 1,000 00 | | |
| | | 25,700 00 | |
| | | | 838,200 00 |
| *Amount carried forward* | | | $11,866,716 09 |

| | | | |
|---|---|---|---|
| *Amount brought forward* | | | $11,866,716 09 |
| | *Ward Four.* | | |
| Cambridge Young Men's Christian Association: — | | | |
| Personal property . . | $2,025 00 | | |
| Building, Massachusetts Avenue . . . . . | 8,000 00 | | |
| Land . . . . . | 8,000 00 | | |
| | | $18,025 00 | |
| Charles River Baptist Church: — | | | |
| Church, E. S. Magazine Street . . . . . | 25,000 00 | | |
| 11,250 feet of land . . | 3,000 00 | | |
| | | 28,000 00 | |
| First Baptist Society: — | | | |
| Church, Central Square | 80,000 00 | | |
| 21,200 feet of land . . | 20,000 00 | | |
| | | 100,000 00 | |
| Grace M. E. Church: — | | | |
| Church, E. S. Magazine Street . . . . . | 15,000 00 | | |
| 7,700 feet of land . . | 5,000 00 | | |
| | | 20,000 00 | |
| Massachusetts Baptist Convention — Union Baptist Church: — | | | |
| Church, Massachusetts Avenue . . . . . | 10,000 00 | | |
| 3,900 feet of land . . | 2,800 00 | | |
| | | 12,800 00 | |
| Pilgrim Congregational Church: — | | | |
| Church, W. S. Magazine Street . . . . . | $30,000 00 | | |
| 8,885 feet of land . . | 7,500 00 | | |
| | | 37,500 00 | |
| Baptist Home, 168 and 170 Brookline Street, one house and stable . . . | 20,000 00 | | |
| Personal property . . | 4,454 18 | | |
| | | 24,454 18 | |
| *Amounts carried forward* | | $240,779 18 | $11,866,716 09 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* | | $240,779 18 | $11,866,716 09 |
| Protestant Episcopal Church, Trustees of Donations to: — | | | |
| Church, S.S. Mass. Ave. (St. Peter's) . . . | $10,000 00 | | |
| 9,229 feet of land . . | 9,000 00 | | |
| | | $19,000 00 | |
| East End Union Mission: — | | | |
| Church, W. S. Brewery Street, on Rogers' land | | 3,500 00 | |
| Rush African M. E. Zion Church: — | | | |
| Church, S. S. School Street . . . . . | 6,000 00 | | |
| 2,760 feet of land . . | 1,100 00 | | |
| | | 7,100 00 | |
| St. Philip's Church, Episcopal: — | | | |
| Church, N. S. Allston Street . . . . . | 3,000 00 | | |
| 4,686 feet of land . . | 1,200 00 | | |
| | | 4,200 00 | |
| Wood Memorial Church, Congregationalist: — | | | |
| Church, W.S. Columbia, corner Austin Street | 30,000 00 | | |
| 7,500 feet of land . . | 4,000 00 | | |
| | | 34,000 00 | |
| | | | 308,579 18 |
| | *Ward Five.* | | |
| Catholic Cemetery, Spruce Street, 304,014 feet . | | $30,000 00 | |
| North Avenue Congregational Society: — | | | |
| Church, Mass. Ave. . | $30,000 00 | | |
| 13,430 feet of land . . | 6,500 00 | | |
| | | 36,500 00 | |
| Porter's Station Depot, Mass. Ave., Fitchburg Railroad Company . . | | 2,000 00 | |
| *Amounts carried forward* | | $68,500 00 | $12,175,295 27 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* | | $68,500 00 | $12,175,295 27 |
| Third Universalist Society :— | | | |
| Church, Mass. Ave. . . | $30,000 00 | | |
| 11,958 feet of land . . | 7,000 00 | | |
| | | 37,000 00 | |
| St. James' Episcopal Society : — | | | |
| Church and chapel, Mass. Ave. and Beech Street . . . . . | 75,000 00 | | |
| 21,207 feet of land (cemetery lot included) . | 10,000 00 | | |
| | | 85,000 00 | |
| Abbott, Edward, Trustee for W. S. Beech : — | | | |
| Lot, 7,965 feet . . . | | 2,400 00 | |
| North Avenue Baptist Society : — | | | |
| Church, Mass. Ave. . | 55,000 00 | | |
| 38,873 feet of land . . | 15,000 00 | | |
| | | 70,000 00 | |
| Williams, John J., S. S. Spruce Street : — | | | |
| School house . . . . | 40,000 00 | | |
| 20,000 feet of land . . | 4,000 00 | | |
| | | 44,000 00 | |
| Marist Fathers of Boston French Roman Catholic Church : — | | | |
| Church N. S. Harvey St. | 40,000 00 | | |
| 21,645 feet of land . | 3,000 00 | | |
| | | 43,000 00 | |
| | | | 349,900 00 |
| | | | $12,525,195 27 |

# REPORT OF THE COMMITTEE ON ACCOUNTS.

CAMBRIDGE, December 31, 1895.

*To the Honorable the City Council:—*

Under the provisions of Section 4 of Chapter 4 of the Revised Ordinances of 1892, the Committee on Accounts submits herewith its annual report for the year 1895.

The Committee has had frequent meetings, and has made the required examination of the books and accounts of the City Auditor, and is pleased to say that they have been kept with commendable accuracy and neatness, and that all the business of the Auditor's Department has been conducted in a manner highly satisfactory to the Committee and the public.

ANDREW J. RADY,
RUSSELL BRADFORD,
JOHN E. SMITH,
} *Committee on Accounts for 1895.*

# REPORT OF THE COMMITTEE ON FINANCE.

The Committee on Finance for the year 1895 herewith submits its annual report.

The annual financial estimates, with the usual accompanying orders, were reported in February last, as provided by ordinance. These, although given in detail in the annual report of the City Auditor, may be stated in the aggregate as follows: —

**Appropriations and Revenue, 1895.**

TOTAL ESTIMATE OF REVENUE.

| | | |
|---|---|---|
| City Department accounts | $152,600 00 | |
| Water Department accounts | 268,827 50 | |
| Other revenue and cash in Treasury December 1, 1894 | 612,184 70 | |
| Grand Total | | $1,033,612 20 |

TOTAL AMOUNT OF APPROPRIATIONS REPORTED.

| | | |
|---|---|---|
| City Department accounts | $1,869,740 00 | |
| Water Department accounts | 1,263 827 50 | |
| Grand Total | | $3,133,567 50 |

GENERAL RECAPITULATION.

| | | |
|---|---|---|
| Total estimates as before stated | $3,133,567 50 | |
| Allowance for estimated uncollected taxes of the year 1895, remaining as uncollected as of November 30, 1895 | 160,000 00 | |
| | | $3,293,567 50 |
| Less estimated revenue before given | | 1,033,612 20 |
| Balance to be provided for | | $2,259,955 30 |

The Committee recommended that this amount be provided for as follows: —

1. By the issue of City Bonds, viz: —

| | |
|---|---|
| Land Loan | $28,500 00 |
| Park Loan, Parks | 240,000 00 |
| School House Loan | 48,000 00 |
| Street widening, Harvard Street | 35,000 00 |
| *Amount carried forward* | $351,500 00 |

| | | | |
|---|---|---|---|
| | *Amount brought forward* . . . . . | $351,500 00 | |
| 2. | By the issue of Water Loan Bonds, viz : — | | |
| | Water Works Construction . . . . . | 805,000 00 | |
| 3. | By assessment upon polls and estates of the inhabitants of Cambridge, etc., for the current year, being amount required for municipal expenses for the year (the State tax and County tax to be assessed by the assessors, by authority of law, in addition thereto) . . . . . | 1,103,455 30 | |
| | Total . . . . . | | $2,259,955 30 |

In accordance with the foregoing, the Committee recommended the adoption of the accompanying orders : —

City of Cambridge,
In Common Council, February 19, 1895.

*Ordered,* That the sum of *One Million, One Hundred and Three Thousand, Four Hundred and Fifty-five Dollars and Thirty Cents* ($1,103,455 30) be raised by assessment upon the polls and estates of the inhabitants of the City of Cambridge and the estates of non-resident proprietors, according to law, to defray the current expenses of the city for the financial year beginning December 1, 1894, and ending November 30, 1895.

City of Cambridge,
In Common Council, February 19, 1895.

*Ordered,* That the sums following be and hereby are appropriated towards defraying the expenses of the City of Cambridge for the financial year beginning December 1, 1894, and ending November 30, 1895.

| | |
|---|---|
| Total amount of appropriations . . . . | $3,133,567 50 |

Various additions were made to these appropriations, and several special appropriations were from time to time recommended by the Committee, full details of which are given in the report of the City Auditor.

The usual sub-committee, which consisted of Alderman Watson G. Cutter, President John L. Odiorne of the Common Council, and Councilman William T. McGuire, was appointed to examine the condition of the City Treasury at the close of business on Friday, November 30.

This sub-committee submitted the following report : —

CITY OF CAMBRIDGE, December 31, 1895.

*To the Committee on Finance:*

GENTLEMEN : — The Sub-Committee appointed to count and examine the cash in the hands of the City Treasurer at the close of business on Nov. 30, 1895, would respectfully report : —

| | | |
|---|---|---|
| Nov. 30, 1895. Actual cash and business checks in City Treasurer's office were . . . . . | | $4,331 97 |
| Also a certificate from W. A. Bullard, Cashier of First National Bank of Cambridge, showing a balance (at close of business on Nov. 30, 1895) to the credit of the City Treasurer of | $407,561 16 | |
| From this balance should be deducted certain checks given by the City Treasurer prior to Nov. 30, 1895, but not received by the above bank at that time, amounting to . . . . . | 46,877 50 | |
| Leaving a balance in above Bank as shown by City Treasurer's books, Nov. 30, 1895, of . . | | 360,683 66 |
| Also, a certificate from Louis W. Cutting, Treasurer of the Cambridge Safe Deposit and Trust Company of Cambridge, showing a balance (at close of business on Nov. 30, 1895) to the credit of the City Treasurer, of | | 75,227 04 |
| Making the total cash on hand . . . . . | | $440,242 67 |
| Dec. 16, 1895. After the above examination by your Committee, certain additional entries belonging to the financial year of 1895 were made, the receipts and expenditures which these same represent being as follows : — | | |
| RECEIPTS. | | |
| From Commonwealth of Massachusetts : — | | |
| Account of State Aid . . . . . | $14,375 97 | |
| Account of Corporation Tax . . . . . | 68,341 76 | |
| Account of National Bank Tax, being amount received for stocks of Massachusetts Banks outside of Cambridge, owned by Cambridge residents . . . . . | 16,577 47 | |
| Total . . . . . | | 99,295 20 |
| Which amount added to City Treasurer's balance of Nov. 30, 1895, as above, makes a total of . . . . . | | $539,537 87 |
| *Amount carried forward* . . . . . | | $539,537 87 |

| | | |
|---|---|---|
| *Amount brought forward* . . . . . | | $539,537 87 |
| EXPENDITURES. | | |
| Authorized additional payments as of Nov. 30, 1895, verified by your committee, are as follows: — | | |
| Pay-rolls for the last seven days in November, 1895, as per Mayor's Draft No. 286 . . . . | $11,165 32 | |
| Pay-rolls for School Department, Salaries for November, 1895, as per Mayor's Draft No. 287 . . . . . | 25,868 83 | |
| Account of Water Works Department — Sinking Funds, being surplus in running account of the Water Works Department, paid to the Trustees of Sinking Funds of Cambridge Water Works . . . . . | 4,218 75 | |
| Paid Commonwealth of Massachusetts: — | | |
| Account of Incidental Expenses. For one-quarter part of receipts from Liquor Licenses received during the financial year of 1895 . . . . . | 11 75 | |
| Metropolitan Sewer Tax, being amount assessed upon Cambridge for year 1895 for Interest, Sinking Fund and Maintenance charges on account of Metropolitan Sewer . | 61,886 21 | |
| National Bank Tax. Refunding of taxes on non-resident owners of stock in Cambridge Banks . . . . . | 7,136 92 | |
| State Tax for year of 1895 . . . . . | 46,800 00 | |
| Total . . . . . | | 157,087 78 |
| Showing a balance of . . . . . | | $382,450 09 |
| From this amount should be deducted the following, held by City Treasurer for account of two contracts given by the Cambridge Water Board, and being a guarantee for the performance of said contracts; said amounts, however, not being a legitimate part of the City Treasurer's accounts: — | | |
| From Thomas Prosser & Son . . . . . | $500 00 | |
| " Groshon High Duty Pumping Engine Company . . . . . | 5,000 00 | |
| Total . . . . . | | 5,500 00 |
| Which amount deducted (as per above) from cash as of Nov. 30, 1895, shows a balance in City Treasurer's hands as of Nov. 30, 1895, of | | $376,950 09 |

| | | |
|---|---|---|
| Your committee would further state that we carefully examined the total cash receipts and expenditures for the financial year of 1895 as by the City Treasurer's books, and find same to be as follows: — | | |
| Total cash receipts from all sources for year ending Nov. 30, 1895, as per City Treasurer's Ledger | $3,567,034 71 | |
| To this should be added cash balance of Nov. 30, 1894 | 457,046 95 | |
| Total | $4,024,081 66 | |
| Total cash expenditures for year ending Nov. 30, 1895, as per City Treasurer's Ledger, and authorized by Mayor's drafts, which your committee examined | 3,647,131 57 | |
| Which deducted from above shows a cash balance as of Nov. 30, 1895, verified by our above report of examination, of | | $376,950 09 |

Respectfully submitted,

WATSON G. CUTTER,
JOHN L. ODIORNE,
WILLIAM T. McGUIRE,
*Sub-Committee.*

The foregoing report of the sub-committee was read and accepted, and ordered to be incorporated in the annual report of the Finance Committee. As these pages embrace only a brief statement of such financial proceedings as were forwarded under the recommendations of this committee, all details of figures have been avoided. Many important matters have been under consideration before the committee, several of which, relating to extensive public improvements, were brought to a successful conclusion during the year.

JOHN R. FAIRBAIRN,
ANDREW J. RADY,
RUSSELL BRADFORD,
WATSON G. CUTTER,
JOHN L. ODIORNE,
ALFRED B. PARKER,
WILLIAM T. McGUIRE,
GEORGE ALLEN,
J. WALTER FARRELL,
ALBERT S. APSEY,
*Committee on Finance.*

# REPORT OF THE CITY TREASURER.

---

OFFICE OF CITY TREASURER, December 1, 1895.

*To the Honorable the City Council:*

In the following pages I submit a detailed report of the receipts and expenditures of the public funds by the Treasury Department, during the year ending November 30, 1895, including an account of all bonded and temporary loans negotiated in said year, and also a report on the Cemetery Fund.

Very respectfully,

WM. W. DALLINGER,

*City Treasurer.*

CITY OF CAMBRIDGE IN ACCOUNT CURRENT FROM DECEMBER 1, 1894, TO

*Dr.*

| | |
|---|---|
| To authorized payments charged to City Accounts as follows:— | |
| Abatements, Taxes | $19,427 40 |
| Ambulance Department | 2,745 75 |
| Assessors' Department | 12,766 99 |
| Auditing Department | 3,404 16 |
| Bridge Department | 12,405 36 |
| Cemetery Department | 17,140 29 |
| Cemetery Fund | 1,963 25 |
| City Clerk's Department | 6,266 36 |
| City Messenger's Department | 2,660 48 |
| Civil Service Department | 268 75 |
| Clerk of Committees' Department | 3,701 22 |
| Election Expenses:— | |
| City Clerk | 4,708 80 |
| Registrars of Voters | 3,554 20 |
| Superintendent of Buildings | 1,038 65 |
| Engineering Department | 22,826 87 |
| Executive Department | 5,329 55 |
| Fire Department | 81,552 33 |
| Health Department | 10,556 51 |
| Incidental Expenses | 14,605 03 |
| Inspection of Milk and Vinegar Department | 1,335 60 |
| Inspection of Provisions Department | 767 21 |
| Inspection of Electric Wires Department | 10,641 90 |
| Interest | 118,099 84 |
| Interest on Park Loan | 14,060 00 |
| Lamp Department | 69,851 26 |
| Land Damages:— | |
| Commercial Avenue | 18,191 25 |
| Davenport Street | 1,959 00 |
| Huron Avenue | 850 00 |
| Massachusetts Avenue | 1,615 00 |
| Mount Auburn Street | 369 60 |
| Norton Street | 600 08 |
| Wyeth Street | 710 20 |
| Law Department | 3,945 25 |
| Loan:— | |
| Municipal | 200,000 00 |
| Paving | 25,000 00 |
| Sewer | 20,000 00 |
| Temporary | 550,000 00 |
| Water | 160,000 00 |
| Overseers of the Poor Department:— | |
| Almshouse | 20,262 72 |
| Assistant City Physician's Salary | 1,500 00 |
| Farm and Ledge | 9,900 89 |
| House Offal | 24,876 06 |
| Outside Aid | 45,168 23 |
| Park Department:— | |
| Construction | 187,629 38 |
| Shade Trees and Public Grounds | 8,770 95 |
| Sinking Fund | 7,200 00 |
| Plumbers' Examiners Department | 132 42 |
| Police Department | 110,997 17 |
| Public Library Department:— | |
| Building | 5,909 37 |
| Current Expenses | 16,955 53 |
| Public Property:— | |
| City Buildings, Care and Repair | 22,440 34 |
| Incidentals | 5,059 68 |
| School Houses, Care and Repair | 47,205 39 |
| New Engine House, Ward 1 | 9 00 |
| New Engine House, Ward 2 | 14,059 42 |
| New Engine House, Ward 3 | 8,289 39 |
| New Engine House, Ward 5 | 333 38 |
| New High School House | 1,274 08 |
| New School House, Ward 1 | 4,035 61 |
| New School House, Ward 2 | 61 30 |
| New School House, Ward 3 | 21,007 51 |
| New School House, Ward 5 | 20,846 84 |
| New Shooting Range | 1,327 56 |
| Sanitary Arrangements—School Houses | 8,426 12 |
| *Amount carried forward* | $2,018,596 48 |

NOV. 30, 1895 (INCLUSIVE), WITH WM. W. DALLINGER, CITY TREASURER.

*Cr.*

| | |
|---|---|
| Receipts as follows: — | |
| Ambulance Department | $274 00 |
| Bridge Department | 1,051 85 |
| Cemetery Department | 17,388 56 |
| Cemetery Fund | 1,963 25 |
| City Clerk's Department | 2,343 55 |
| Commissioners of Sinking Funds | 245,000 00 |
| Engineering Department | 12,531 90 |
| Fire Department | 307 75 |
| Incidental Expenses | 1,956 82 |
| Inspection of Milk and Vinegar Department | 155 00 |
| Inspection of Electric Wires Department | 942 56 |
| Interest | 42,359 99 |
| Lamp Department | 80 |
| Law Department | 1,800 00 |
| Loan: — | |
| Building | 60,000 00 |
| Park | 100,000 00 |
| Sewer | 60,000 00 |
| Street Construction | 60,000 00 |
| Temporary | 550,000 00 |
| Water | 400,000 00 |
| Overseers of the Poor Department: — | |
| Almshouse | 859 46 |
| Farm and Ledge | 14,730 50 |
| House Offal | 9,045 55 |
| Outside Aid | 7,647 71 |
| Park Department: — | |
| Construction | 3,092 47 |
| Shade Trees and Public Grounds | 35 37 |
| Plumbers' Examiners Department | 45 00 |
| Police Department | 8,102 04 |
| Public Library Department, Current Expenses | 4,497 11 |
| Public Property — City Buildings, Care and Repair | 26,803 00 |
| School Department: — | |
| Salaries | 2,072 17 |
| Text Books and Supplies | 281 36 |
| Sealer of Weights and Measures Department | 479 74 |
| Sewer Department: — | |
| Construction | 11,126 94 |
| Maintenance | 293 99 |
| State Aid Department | 14,849 41 |
| Stationery and Printing Department | 1,160 98 |
| Street Department: — | |
| Maintenance | 3,214 24 |
| Paving: — | |
| Gore Street | 1,957 06 |
| Sidewalks | 15,391 10 |
| Resurfacing Columbia, Third and Kirkland Streets | 19,500 00 |
| Watering | 8,062 96 |
| Tax: — | |
| Corporation | 70,906 71 |
| National Bank | 16,759 18 |
| Taxes: — | |
| 1891 | 102 00 |
| 1892 | 926 00 |
| 1893 | 5,510 72 |
| 1894 | 155,193 84 |
| 1895 | 1,122,985 56 |
| Treasury Department | 1,863 10 |
| Trustees of Sinking Funds of Water Works | 160,000 00 |
| *Amount carried forward* | $3,245,571 30 |

CITY OF CAMBRIDGE IN ACCOUNT CURRENT FROM DECEMBER 1, 1894, TO

*Dr.*

| | |
|---|---|
| *Amount brought forward* | $2,018,596 48 |
| School Department: — | |
| Board of Truants | 1,284 99 |
| Incidentals | 1,937 92 |
| Salaries | 240,916 12 |
| Text Books and Supplies | 12,602 59 |
| Sealer of Weights and Measures Department | 1,529 69 |
| Sewer Department: — | |
| Construction | 28,259 09 |
| Maintenance | 17,267 84 |
| Metropolitan Sewer Connections | 33,480 00 |
| Sinking Fund Department: — | |
| General Account | 98,940 00 |
| Harvard Bridge | 8,000 00 |
| State Aid Department | 23,283 87 |
| Stationery and Printing Department | 2,879 50 |
| Street Department: — | |
| Bridges | 3,651 01 |
| Cleaning Streets | 24,264 06 |
| Collection of Ashes | 19,311 89 |
| Construction — Charles and Vine Streets | 148 00 |
| Construction — McDonald Street | 8,052 94 |
| Extension and Widening: — | |
| Davenport Street | 782 20 |
| Harvard Street | 1,746 72 |
| Mount Auburn Street | 894 72 |
| Wyeth Street | 2,036 21 |
| Paving: — | |
| Gore Street | 13,091 61 |
| Sidewalks | 30,146 93 |
| Western Avenue | 3,399 64 |
| Resurfacing: — | |
| Brattle and Craigie Streets | 9,912 38 |
| Columbia, Third and Kirkland Streets | 19,499 62 |
| Watering | 21,964 82 |
| Maintenance | 74,040 78 |
| Tax: — | |
| County | 73,887 84 |
| Metropolitan Sewer | 61,886 21 |
| National Bank | 7,136 92 |
| State | 46,800 00 |
| Tax Sale Surplus | 21 81 |
| Treasury Department | 13,602 34 |
| Water Works Department: — | |
| Construction: — | |
| General Account | 17,394 98 |
| Fresh Pond Land Account | 4,958 35 |
| Fresh Pond Reservoir | 39,463 82 |
| Hobbs Brook Reservoir | 168,156 56 |
| Payson Park Reservoir | 226,152 81 |
| Public Sanitaries | 762 63 |
| Interest on Water Loan | 81,615 00 |
| Maintenance: — | |
| General Account | 25,150 82 |
| Office Expenses | 5,872 47 |
| Pumping | 14,787 71 |
| Cambridge Street | 3,999 46 |
| Renewal of Mains | 44,833 06 |
| Stony Brook Reservoir | 1,101 66 |
| Rates, Fines, etc.: — | |
| Abatements | 4,892 48 |
| Refunds | 2,525 60 |
| Sinking Fund | 73,361 25 |
| Supplies | 6,836 45 |
| Abatements | 9 72 |
| Total payments | $3,647,131 57 |
| Cash Balance in City Treasury Nov. 30, 1895 | 376,950 09 |
| | $4,024,081 66 |

NOV. 31, 1895, (INCLUSIVE), WITH WM. W. DALLINGER, CITY TREASURER.

*Cr.*

| | |
|---|---|
| *Amount brought forward* | $3,245,571 30 |
| Water Works Department:— | |
| Construction:— | |
| General Account | 1,022 86 |
| Fresh Pond Reservoir | 13 88 |
| Hobbs Brook Reservoir | 796 78 |
| Payson Park Reservoir | 33,264 00 |
| Interest on Water Loan | 1,555 56 |
| Maintenance:— | |
| General Account | 1,062 11 |
| Rates, Fines, etc. | 275,079 35 |
| Supplies | 8,668 87 |
| Total Receipts | $3,567,034 71 |
| Cash Balance in City Treasury, November 30, 1894 | 457,046 95 |
| | $4,024,081 66 |

## Loans.

During the year the City Council has authorized and directed the issuance of $680,000 of bonds, the proceeds thereof to be expended for the following-named objects, viz :—

| | |
|---|---|
| For the extension and improvement of our system of water supply | $400,000 00 |
| Building of sewers | 60,000 00 |
| Erection of public buildings | 60,000 00 |
| Street construction | 60,000 00 |
| Continuation of our system of public parks | 100,000 00 |

These bonds were issued at various times in the year, and for most of them there was received a larger premium than ever before obtained. The reason for our bonds selling at so high a premium may perhaps be found, first, in the strong confidence entertained by conservative investors that our municipal affairs are guided and directed by wise and progressive representatives of an intelligent community, and secondly, the market for our bonds has been enlarged by the recent action of the Legislature of New York in permitting the Savings Banks of that State to invest some of their enormous deposits in bonds of certain Massachusetts cities, our own city among the number. The result of this last fact has been that $500,000 of the bonds issued this year are now held by Savings Banks of New York city, and in addition I have exchanged $192,000 of registered certificates to Savings Banks of the same city, for the same amount of coupon bonds issued in 1894. Thus, the records of the City Auditor and City Treasurer now show $692,000 of our registered certificates of indebtedness owned and held by the Savings Banks of New York city.

The first sale of bonds was made April 27, at which time $200,000 of four per cent. 20 yr. Water bonds were offered. Eleven bids were received, and the whole amount was sold to Messrs. Blodgett, Merritt & Co. at 107.076, or a premium above par of seven and seventy-six thousandths per cent., this firm being the highest bidder. On September 7th fourteen bids

were received for $200,000 four per cent. 20 yr. Water bonds and $100,000 40 yr. Park Loan bonds. The $200,000 20 yr. bonds were sold to Messrs. Blake Brothers & Co. at 109.556, or a premium of nine and five hundred and fifty-six thousandths per cent. The $100,000 of 40 yr. bonds were sold to Messrs. Spencer Trask & Co., of New York, at 114.38, or a premium of fourteen and thirty-eight hundredths per cent., these firms being the highest bidders for the loans awarded them. On the 19th day of November fifteen bids were received for the following loans, viz: $60,000 four per cent. Building loan, $60,000 four per cent. Street Construction loan, and $52,000 four per cent. Sewer loan, the first two loans being for 20 years, and the last for 30 years. The entire amount of $172,000 was awarded to Messrs. N. W. Harris & Co., at 109.83 for the $120,000, of 20 yr. bonds, and 112.81 for the $52,000 30 yr. bonds. $7,500 of the Sewer loan 30 yr. 4's was taken for the purpose of investing a part of the Trust fund in the treasurer's charge called "Cemetery Fund," and $500 of the same loan was sold to the Trustees of our Public Library to invest sundry subscriptions received for the endowment of the library. The city treasury received par for the $8,000.

### Temporary Loans.

$550,000 was borrowed from time to time as needed, in anticipation of the tax levy of the year, and all paid in the month of October from the proceeds of said levy. The rate of interest paid on these loans varied from $3\frac{7}{8}$ per cent. for the longer time loans to $2\frac{3}{8}$ per cent. for the shorter time loans.

### Cemetery Fund.

This fund represents sums of money received from 1870 to the present time, from owners of lots in our Cemetery for the perpetual care of lots therein. The City by ordinance agreed, in the earlier years, to pay annually to the "Commissioners of the Cemetery" six per cent. on the sums paid in, and later reduced the amount to be paid to four per cent. The fund has been strengthened by accumulations of interest until it is now

able to meet the promises made in the earlier as well as the later years. The fund now amounts to $33,657.39, and is invested as follows, viz : —

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| City | of | Cambridge | 4 % | registered | bond | maturing | Nov. 1, 1903 = | $10,000 00 |
| " | " | " | 3½% | " | " | " | Nov. 1, 1906 = | 7,000 00 |
| " | " | " | 4 % | " | " | " | Nov. 1, 1907 = | 2,000 00 |
| " | " | " | 4 % | " | " | " | Nov. 1, 1909 = | 2,000 00 |
| " | " | " | 4 % | " | " | " | May 1, 1910 = | 5,000 00 |
| " | " | " | 4 % | " | " | " | Oct. 1, 1925 = | 7,500 00 |
| In Cambridge Savings Banks . . . . . | | | | | | | | 157 39 |
| | | | | | | | | $33,657 39 |

Very respectfully,

WM. W. DALLINGER,

*City Treasurer.*

# REPORT OF THE COMMISSIONERS OF THE SINKING FUNDS OF THE CITY OF CAMBRIDGE.

*To the Honorable the City Council:* —

The undersigned, Commissioners of the Sinking Funds of the city, herewith present their twentieth annual report, covering the year ending November 30, 1895.

DR.

| | | |
|---|---|---|
| The amount of the funds Nov. 30, 1894 . . . | $628,289 05 | |
| Amount received from the City of Cambridge as the annual appropriation required by law for 1895 for all outstanding loans . . . . | 113,775 00 | |
| Amount of interest received on invested funds | 21,964 21 | |
| | | $764,028 26 |

CR.

| | | |
|---|---|---|
| Amount paid as accrued interest on investments purchased . . . . . | $1,449 78 | |
| Amount paid as premium on investments purchased . . . . . | 5,761 95 | |
| Amount given to Treasurer of Cambridge to meet maturing bonds, viz.: — | | |
| Municipal Loan, four per cent. bonds, maturing April 1, 1895 . . . . . | 200,000 00 | |
| Paving Loan, six per cent. bonds, maturing July 1, 1895 . . . . . | 25,000 00 | |
| Sewer Loan, six per cent. bonds, maturing Oct. 1, 1895 . . . . . | 20,000 00 | |
| Leaving the amount of the funds Nov. 30, 1895 | 511,816 53 | |
| | | $764,028 26 |

SECURITIES BELONGING TO THE SINKING FUNDS, NOV. 30, 1895.

| | |
|---|---|
| Cambridge Sewer Loan, six per cent. bonds, due July 1, 1896 . . . . . | $12,000 00 |
| Cambridge Street Widening Loan, six per cent. bonds, due July 1, 1904 . . . . . | 90,000 00 |
| Cambridge Sewer Loan, six per cent. bonds, due July 1, 1904 . . . . . | 2,000 00 |
| *Amount carried forward* . . . . . | $104,000 00 |

| | | |
|---|---|---|
| *Amount brought forward* . . . . . | $104,000 00 | |
| Cambridge Street Widening Loan, six per cent. bonds, due July 1, 1905 . . . . . | 14,000 00 | |
| Cambridge Sewer Loan, six per cent. bonds, due July 1, 1905 . . . . . | 49,000 00 | |
| | | $167,000 00 |
| City of Dayton, four per cent. bonds, due Oct. 1, 1896 . . . . . | $7,000 00 | |
| Town of Hyde Park, four per cent. bonds, due Nov. 1, 1896 . . . . . | 2,000 00 | |
| City of Fitchburg, four per cent. bonds, due Nov. 1, 1896 . . . . . | 2,000 00 | |
| City of Waltham, four per cent. bonds, due Jan. 1, 1897 . . . . . | 6,000 00 | |
| City of New Bedford, $3\frac{1}{2}$ per cent. bonds, due April 1, 1897 . . . . . | 15,000 00 | |
| City of Dayton, four per cent. bonds, due Oct. 1, 1897 . . . . . | 7,000 00 | |
| Town of Hyde Park, four per cent. bonds, due Nov. 1, 1897 . . . . . | 2,000 00 | |
| City of Fitchburg, $3\frac{1}{2}$ per cent. bonds, due April 1, 1898 . . . . . | 10,000 00 | |
| City of Cleveland, four per cent. bonds, due Sept. 1, 1898 . . . . . | 1,000 00 | |
| City of Dayton, four per cent. bonds, due Oct. 1, 1898 . . . . . | 4,000 00 | |
| Town of Winchester, four per cent. bonds, due Oct. 20, 1898 . . . . . | 13,000 00 | |
| City of Providence, $4\frac{1}{2}$ per cent. bonds, due June 1, 1899 . . . . . | 64,000 00 | |
| City of Brockton, four per cent. bonds, due June 1, 1899 . . . . . | 4,000 00 | |
| City of Brockton, four per cent. bonds, due June 1, 1901 . . . . . | 3,000 00 | |
| City of Brockton, four per cent. bonds, due Dec. 1, 1901 . . . . . | 4,000 00 | |
| City of Cleveland, $3\frac{65}{100}$ per cent. bonds, due Sept. 1, 1902 . . . . . | 1,000 00 | |
| City of Brockton, four per cent. bonds, due Dec. 1, 1902 . . . . . | 4,000 00 | |
| City of Brockton, four per cent. bonds, due June 1, 1903 . . . . . | 4,000 00 | |
| City of Brockton, four per cent. bonds, due Dec. 1, 1903 . . . . . | 4,000 00 | |
| City of Brockton, four per cent. bonds, due June 1, 1904 . . . . . | 4,000 00 | |
| *Amounts carried forward* . . . . . | $161,000 00 | $167,000 00 |

| | | |
|---|---|---|
| *Amounts brought forward* | $161,000 00 | $167,000 00 |
| City of Lawrence, four per cent. bonds, due July 1, 1904 | 12,000 00 | |
| City of Pawtucket, four per cent. bonds, due July 1, 1904 | 15,000 00 | |
| Town of Hopkinton, four per cent. bonds, due Sept. 30, 1904 | 5,000 00 | |
| City of Brockton, four per cent. bonds, due Dec. 1, 1904 | 4,000 00 | |
| City of Haverhill, four per cent. bonds, due Oct. 1, 1905 | 50,000 00 | |
| City of Brockton, four per cent. bonds, due Dec. 1, 1905 | 4,000 00 | |
| City of Pawtucket, four per cent. bonds, due July 1, 1909 | 30,000 00 | |
| Town of Beverly, four per cent. bonds, due July 1, 1911 | 9,000 00 | |
| City of Medford, four per cent. bonds, due July 1, 1911 | 26,000 00 | |
| City of Medford, four per cent. bonds, due July 1, 1915 | 23,000 00 | |
| City of Brockton, 3½ per cent. bonds, due July 1, 1916 | 5,000 00 | |
| | | 344,000 00 |
| | | 511,000 00 |
| Cash in bank on interest | | 816 53 |
| | | $511,816 53 |

CAMBRIDGE, December 12, 1895.

*To the Board of Commissioners of the Sinking Funds of the City of Cambridge: —*

Your committee appointed to audit the accounts of the Treasurer of the Funds respectfully reports that his books are kept in a commendable manner and his accounts are correct and properly vouched. A careful computation of his cash and bond account, made independently of the Treasurer's books, proves that the present amount of the Funds as shown by his books is correct. The transactions of the Treasurer and Sub-committee on investment during the year have been as follows: —

| | | | |
|---|---|---|---|
| Amount of bonds in the funds, Nov. 30, 1894 | | $390,500 00 | |
| Amount of bonds purchased during the year | | 147,000 00 | |
| | | $537,500 00 | |
| Amount of bonds matured during the year | | 26,500 00 | |
| Amount of bonds in the funds Nov. 30, 1895 | | | $511,000 00 |
| Cash on hand Nov, 30, 1894 | $237,789 05 | | |
| Cash received from the city derived from taxation | 113,775 00 | | |
| Cash received from interest on investments | 21,964 21 | | |
| Cash received from matured bonds | 26,500 00 | | |
| Cash received for Cambridge note (April 9—Oct. 10) | 20,000 00 | | |
| | | $420,028 26 | |
| Cash paid to redeem city debt | $245,000 00 | | |
| Cash paid for purchase of bonds for investment | 147,000 00 | | |
| Cash paid for premium on bonds purchased | 5,761 95 | | |
| Cash paid for accrued interest on bonds purchased | 1,449 78 | | |
| Cash paid for Cambridge note purchased (April 9—Oct. 10) | 20,000 00 | | |
| | | 419,211 73 | |
| Cash on hand Nov. 30, 1895 deposited in First National Bank of Cambridge | | | 816 53 |
| Amount of funds Nov. 30, 1895 | | | $511,816 53 |

FRANK A. ALLEN,
JOHN C. BULLARD, } *Auditing Committee.*

The bonded city debt which the foregoing sinking funds are to pay, matures as follows, viz: —

| | |
|---|---|
| July 1, 1896, Sewer Loan, six per cent. | $29,000 00 |
| Nov. 1, 1896, Sewer Loan, 3½ per cent. | 25,000 00 |
| Aug. 1, 1898, City Hall Land Loan, four per cent. | 83,000 00 |
| Nov. 1, 1899, Street Widening Loan, four per cent. | 8,000 00 |
| May 1, 1900, High School Loan, four per cent. | 100,000 00 |
| Jan. 1, 1901, High School Loan, four per cent. | 100,000 00 |
| July 1, 1901, High School Loan, four per cent. | 10,000 00 |
| *Amount carried forward* | $355,000 00 |

| | |
|---|---|
| *Amount brought forward* | $355,000 00 |
| July 1, 1901, School House Loan, four per cent. | 50,000 00 |
| July 1, 1901, Bridge Loan, four per cent. | 15,000 00 |
| May 2, 1902, Street Loan, four per cent. | 55,000 00 |
| May 2, 1902, Building Loan, four per cent. | 20,000 00 |
| Nov. 1, 1902, Paving Loan, four per cent. | 50,000 00 |
| Nov. 1, 1902, School House Loan, four per cent. | 20,000 00 |
| July 1, 1903, Sewer Loan, six per cent. | 136,000 00 |
| July 1, 1903, Street Widening Loan, six per cent. | 10,000 00 |
| Nov. 1, 1903, Building Loan, four per cent. | 40,000 00 |
| July 1, 1904, Sewer Loan, six per cent. | 295,000 00 |
| July 1, 1904, Street Widening Loan, six per cent. | 90,000 00 |
| Aug. 1, 1904, City Loan, four per cent. | 52,000 00 |
| July 1, 1905, Sewer Loan, six per cent. | 144,000 00 |
| July 1, 1905, Street Widening Loan, six per cent. | 14,000 00 |
| Aug. 1, 1905, Cemetery Loan, four per cent. | 65,000 00 |
| Nov. 1, 1907, Sewer Loan, four per cent. | 30,000 00 |
| Nov. 1, 1909, Sewer Loan, four per cent. | 22,000 00 |
| May 1, 1910, Sewer Loan, four per cent. | 15,000 00 |
| July 1, 1911, Sewer Loan, four per cent. | 15,000 00 |
| Aug. 1, 1914, Building Loan, four per cent. | 118,000 00 |
| Aug. 1, 1914, Street Loan, four per cent. | 30,000 00 |
| Oct. 1, 1915, Building Loan, four per cent. | 60,000 00 |
| Oct. 1, 1915, Street Loan, four per cent. | 60,000 00 |
| Oct. 1, 1917, Harvard Bridge Loan, four per cent. | 10,000 00 |
| July 1, 1918, Harvard Bridge Loan, four per cent. | 100,000 00 |
| Sept. 1, 1918, Harvard Bridge Loan, four per cent. | 100,000 00 |
| March 1, 1919, Harvard Bridge Loan, four per cent. | 115,000 00 |
| Nov. 1, 1920, Harvard Bridge Loan, four per cent. | 5,000 00 |
| July 1, 1921, Harvard Bridge Loan, four per cent. | 60,000 00 |
| Aug. 1, 1923, Harvard Bridge Loan, four per cent. | 10,000 00 |
| Feb. 1, 1924, Park Loan, four per cent. | 360,000 00 |
| Aug. 1, 1924, Sewer Loan, four per cent. | 75,000 00 |
| Oct. 1, 1925, Sewer Loan, four per cent. | 60,000 00 |
| Aug. 1, 1935, Park Loan, four per cent. | 100,000 00 |
| | $2,756,000 00 |

The following shows the result of the year and the present condition of the city debt. During the year, city bonds (four per cents) to the amount of $280,000.00 have been issued for the following purposes, viz: —

Park Loan bonds to the amount of $100,000.00, dated Aug. 1, 1895, payable in forty years.

Building Loan bonds to the amount of $60,000.00, dated Oct. 1, 1895, payable in twenty years.

Street Construction bonds to the amount of $60,000.00, dated Oct. 1, 1895, payable in twenty years.

Sewer Loan bonds to the amount of $60,000.00, dated Oct. 1, 1895, payable in thirty years.

There have matured since our last report, $200,000.00 of ten years Municipal bonds (four per cents), $25,000.00 of twenty years Paving Loan bonds (six per cents), and $20,000.00 of twenty years Sewer Loan bonds (six per cents), all of which have been paid from this fund. The total amount of city debt proper, now outstanding, is $2,756,000.00, from which deducting the present assets of the Sinking Fund at their par value, $511,816.53, leaves the net amount of bonded debt, Nov. 30, 1895 (exclusive of the water debt), $2,244,183.47, showing a net increase of debt for the year, of $151,472.52. The valuation of the city as returned by the assessors for 1895 is $80,850,260.00, and shows an increase over 1894 of $3,314,640.00 There will be due the fund from taxation for 1896, the sum of $101,850.00. Since 1876, when the debt of the city reached its maximum, $2,918,000.00 of City bonds have matured and been paid by the commissioners, without in any case a renewal of the debt, or a reissue of bonds. We are also glad to report that the fund is in excellent condition, all of the investments being first class, and that no loss of principal or interest has ever occurred through our investments. We are pained to record in this report the loss by death of our esteemed associate, Henry Oscar Houghton, who died suddenly, Aug. 25, 1895. He was a member of the Common Council in 1868, and of the Board of Aldermen in 1869, and served as Mayor of the city in 1872. His frank and courteous bearing and his earnest desire to act always for the best interests of the city, will not be forgotton. With highest respect for his ability and integrity, we desire here to record our sincere appreciation of his faithful service.

Respectfully submitted,

CHAS. H. SAUNDERS,
FRANK A. ALLEN,
GEO. H. HOWARD,
JOHN C. BULLARD,
ANDREW J. LOVELL,
J. HENRY RUSSELL,

*Commissioners of the Sinking Funds of the City of Cambridge.*

CAMBRIDGE, December 12, 1895.

# REPORT OF THE TRUSTEES OF THE SINKING FUND OF THE CAMBRIDGE WATER WORKS.

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*To the Honorable the City Council:* —

The undersigned, Trustees of the Sinking Fund of the Cambridge Water Works, herewith submit their annual report of the fund committed by law to their charge: —

Dr.

| | | |
|---|---|---|
| Amount of the fund Nov. 30, 1894 | $612,084 75 | |
| Received during the year as follows: — | | |
| From the treasurer of the City of Cambridge the annual appropriation from the water rates | 69,142 50 | |
| Also from the same source the surplus remaining at the close of the year in the maintenance accounts of the Water Works | 4,218 75 | |
| From interest and premium on investments | 20,936 24 | |
| | | $706,382 24 |

Cr.

| | | |
|---|---|---|
| Amount paid as accrued interest on investments purchased | $333 00 | |
| Amount paid the City Treasurer of Cambridge to meet maturing Water bonds | 160,000 00 | |
| Balance representing the amount of the fund Nov. 30, 1895 | 546,049 24 | |
| | | $706,382 24 |

SECURITIES BELONGING TO THE SINKING FUND OF THE WATER WORKS, NOV. 30, 1895.

| | |
|---|---|
| Cambridge Water Loan, 3½ per cent. bonds, maturing April 1, 1896 | $100,000 00 |
| Cambridge Water Loan, 3½ per cent. bonds, maturing July 1, 1896 | 75,000 00 |
| *Amount carried forward* | $175,000 00 |

| | | |
|---|---|---|
| *Amount brought forward* . . . . . | $175,000 00 | |
| Cambridge Water Loan, six per cent. bonds, maturing July 1, 1896 . . . . . | 66,000 00 | |
| Cambridge Water Loan, six per cent. bonds, maturing July 1, 1897 . . . . . | 16,000 00 | |
| Cambridge Water Loan, five per cent. bonds, maturing July 1, 1898 . . . . . | 12,500 00 | |
| Cambridge Harvard Bridge Loan, four per cent. bond, maturing Nov. 1, 1920 . . . . . | 5,000 00 | |
| Cambridge Contingent Loan, note, dated Dec. 1, 1893, bearing 2 per cent. interest . . . . | 200,000 00 | |
| | | $474,500 00 |
| City of Lynn, four per cent. bonds, maturing July 1, 1899 . . . . . | $11,000,00 | |
| City of Boston, four per cent. bonds, maturing April 1, 1900 . . . . . | 4,000 00 | |
| City of Providence, five per cent. bonds, maturing July 1, 1906 . . . . . | 50,000 00 | |
| | | 65,000 00 |
| | | $539,500 00 |
| Cash in bank on interest . . . . . | | 6,549 24 |
| | | $546,049 24 |

The bonded water debt which the foregoing fund is to pay, matures as follows, viz : —

| | |
|---|---|
| April 1, 1896, 3½ per cent. registered (or to April 1, 1911) . . | $100,000 00 |
| July 1, 1896, six per cent. coupon . . . . . | 103,000 00 |
| July 1, 1896, 3½ per cent. registered (or to July 1, 1911) . . | 75,000 00 |
| July 1, 1897, six per cent. coupon . . . . . | 16,000 00 |
| July 1, 1898, five per cent. registered . . . . . | 12,500 00 |
| Nov. 1, 1906, 3½ per cent. registered . . . . . | 43,000 00 |
| Oct. 1, 1907, four per cent. registered . . . . . | 75,000 00 |
| Oct. 1, 1907, four per cent. registered . . . . . | 15,000 00 |
| Nov. 1, 1907, four per cent. registered . . . . . | 22,000 00 |
| July 1, 1908, four per cent. coupon . . . . . | 46,000 00 |
| Aug 1, 1908, four per cent. coupon . . . . . | 25,000 00 |
| July 1, 1909, four per cent. coupon . . . . . | 20,000 00 |
| May 1, 1910, four per cent. registered . . . . . | 133,000 00 |
| May 1, 1910, four per cent. coupon . . . . . | 155,000 00 |
| July 1, 1910, four per cent. coupon . . . . . | 75,000 00 |
| Sept. 1, 1910, four per cent. coupon . . . . . | 125,000 00 |
| Jan. 1, 1911, four per cent. coupon . . . . . | 20,000 00 |
| Oct. 1, 1911, four per cent. coupon . . . . . | 35,000 00 |
| *Amount carried forward.* . . . . . | $1,095,500 00 |

| | |
|---|---|
| *Amount brought forward* | $1,095,500 00 |
| Jan. 1, 1912, four per cent. coupon | 150,000 00 |
| May 2, 1912, four per cent. coupon | 75,000 00 |
| Nov. 1, 1912, four per cent. coupon | 45,000 00 |
| Feb. 1, 1913, four per cent. coupon | 100,000 00 |
| Aug. 1, 1913, four per cent. coupon | 35,000 00 |
| Aug. 1, 1913, four per cent. registered | 15,000 00 |
| April 1. 1915, four per cent. registered | 200,000 00 |
| Aug. 1, 1915, four per cent. registered | 200,000 00 |
| April 1, 1924, four per cent. coupon | 300,000 00 |
| | $2,215,500 00 |

WM. A. BANCROFT,
JOHN L. ODIORNE,
WM. W. DALLINGER,
} *Trustees of the Sinking Funds of the Cambridge Water Works.*

# REPORT OF THE SUPERINTENDENT OF STREETS.

*To the Honorable, the City Council:* —

GENTLEMEN: — In accordance with the requirements of the ordinance relating to streets, I have the honor to submit my second annual report for the financial year ending November 30,1895.

The accounts of the various appropriations of this department are here given in alphabetical order, as they appear on the Auditor's monthly statement.

**Bridges.**

| | | |
|---|---|---|
| Appropriation | | $3,825 00 |
| EXPENDED. | | |
| Draw-tenders' salaries | $2,791 96 | |
| Repairs | 996 00 | |
| Supplies | 36 34 | |
| | | 3,828 30 |
| Balance | | $ 70 |

The above amount has been expended, as shown, for payment of salaries of draw-tenders and the care and repairs of the several bridges of which this department has charge.

These bridges, which have recently been thoroughly examined, are all in fair condition and will require but little more than the ordinary care and repairs during the year. It will be necessary to paint all of them, which has not been done for a number of years, and, with the exception of the two new ones on Huron Avenue and the one over the Fitchburg Railroad on Walden Street, they will all require replanking.

This work can all be done with a slight increase of the usual amount appropriated for this purpose.

## Bridges Maintained Wholly or in Part by the City of Cambridge, and in Charge of Street Department.

| Name of Bridge. | Location. | Material in Substructure. | Material in Superstructure. | Date of First Construction. | Total Length of Bridge. | Length in Cambridge. | Width of Bridge. | Width of Draw. | Draw Opening. | Surface Area of Bridge in Cambridge. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Sq. ft. |
| Boylston Street Bridge | over Charles River | Oak Piles | Wood | 1662 | 208.0 | 106.0 | 28 ft. | 20.35 | 36 ft. | 2,830 |
| Brookline Bridge | over Charles River | Oak Piles | Wood | 1850 | 750.0 | 175.0 | 31 | 24 | 36 | 5,299 |
| First Street Bridge | over Broad Canal | Oak Piles | Wood | 1892 | 115.0 | 115.0 | 45 | 32 | 36 | 4,707 |
| Fresh Pond Avenue Bridge | over Pipe Way | Granite Masonry | Steel | 1893 | 75.0 | 75.0 | 58 | | | 4,350 |
| Huron Street Bridge | over Watertown Branch of the Fitchburg R. R. | Granite Masonry | Steel | 1893 | 93.63 | 93.63 | 58 | | | 5,430 |
| River Street Bridge | over Charles River | Oak Piles | Wood | 1810 | 345.0 | 187.0 | 40 | 28 | 36 3 in. | 7,263 |
| Sixth Street Bridge | over Broad Canal | Oak Piles | Wood | 1873 | 79.5 | 79.5 | 42 | 32 | 32 6 in. | 3,014 |
| Third Street Bridge | over Broad Canal | Oak Piles | Wood | about 1832 | 81.0 | 81.0 | 35 | 27 | 30 | 2,595 |
| Walden Street Bridge | over Fitchburg R. R. | Granite Masonry | Steel | 1892 | 64.0 | 64.0 | 42 | | | 2,688 |
| Western Avenue Bridge | over Charles River | Oak Piles | Wood | 1824 | 330.0 | 168.0 | 34 | 27.5 | 36 | 5,595 |

### Cleaning Streets.

| | | |
|---|---|---|
| Appropriation | | $23,000 00 |
| EXPENDED. | | |
| Labor | $17,450 66 | |
| Teaming | 5,234 57 | |
| Tools and supplies | 313 08 | |
| | | 22,998 31 |
| Balance | | $1 69 |

The above amount has been expended, as shown, for labor, teaming and materials used in cleaning streets.

This year, for the first time, the cost of taking care of snow and ice has been charged to this appropriation. The expense was $5,589.00 ($3,300.00 in District No. 1 and $2,289.00 in District No. 2), which left us $17,411.00 for ordinary street cleaning work.

Three general cleanings of all the streets have been made this year, one early in the spring, one in the summer and one late in November. By the substitution, wherever practicable, of machinery in place of the old-fashioned and expensive method of cleaning with hoes, we have been able to accomplish much more than was formerly done.

As an illustration of this fact, attention is called to the following comparative statement in relation to the street scrapings collected and disposed of during the last two years: —

| Date. | Loads Collected. | Loads Sold. | Carted to dumps. | Carted to Parks. | Average cost of Collection per load. |
|---|---|---|---|---|---|
| 1894 | 9,477 | 2,563 | 3,920 | 2,994 | $1 64 |
| 1895 | 13,984 | 3,423 | 10,096 | 465 | 1 25 |

In addition to these three general cleanings, all the paved streets have been swept once every three weeks, and crossings have been kept clean whenever necessary.

One of the most important factors in keeping our streets in that clean condition, which has been so often commented on during the past year, has been the continuance and extension of the system begun last year, of the employment of a number of men, throughout the year, at some of the prominent places

in the city, to keep the streets and squares in these localities clean at all times. This force was increased from six men employed last year to twelve men this year. Each man was given a section to care for, and was held responsible for the condition of it.

The sections were as follows : —

Massachusetts Ave. from Alewife Brook to Porter's Station.

Massachusetts Ave. from Porter's Station to Garden Street.

Massachusetts Ave. from Garden Street to Dana Street, including Harvard Square and Brattle Square.

Massachusetts Ave. from Dana Street to Central Square.

Massachusetts Ave. from Central Square to Lafayette Square, both inclusive.

Main Street from Lafayette Square to West Boston Bridge.

Cambridge Street from Inman Square to B. & A. R. R. Crossing.

Cambridge Street from B. & A. R. R. Crossing to Craigie Bridge.

Second, Third, Otis and Thorndike Streets, around County buildings.

Mount Auburn Street from Brattle Square to Watertown line.

Brattle Street from Brattle Square to Mount Auburn Street.

Magazine Street, entire length.

The results of this system have been highly gratifying and warrant its still further extension, and the force thus employed will be increased during the coming year so as to cover as far as possible all the main thoroughfares and public squares in the city.

In last year's report I called attention to the careless practice of throwing scraps of paper, etc., into the streets, and stated that receptacles would be placed around the city to receive them; accordingly thirty-five barrels, properly lettered to call attention to their use, were purchased and placed in conspicuous locations on main thoroughfares and squares throughout the city. That the request to throw refuse into these receptacles has been quite generally complied with, is shown

by the frequency with which it has become necessary to empty them, and this compliance has contributed in some measure to the cleanliness of our streets.

A more general co-operation on the part of the public with us in this plan is earnestly desired, and additional receptacles will be provided when necessary. I would also again urge the discontinuance of the sweeping of dirt from stores and dwellings on to the sidewalks and into the gutters, which is still a great source of annoyance to the department.

**Construction of Charles and Vine Streets.**

| | | |
|---|---|---|
| Appropriation | | $3,494 00 |
| EXPENDED. | | |
| Labor | $148 00 | |
| Teaming | 652 50 | |
| Chip stones | 96 80 | |
| Gravel | 160 00 | |
| | | 1,057 30 |
| Balance | | $2,436 70 |

These two streets were widened to a width of fifty feet each, between Second Street and Third Street, and laid out by an order dated Oct. 23, 1895. The amount shown above was expended for labor and materials on Charles Street only. This street has been lined out to the width named, and the ballast put in ready for the top surfacing. The balance left will be sufficient to complete both streets, which will be done early next season.

**Construction of McDonald Street.**

| | | |
|---|---|---|
| Appropriation | | $15,914 50 |
| EXPENDED. | | |
| Labor | $4,502 12 | |
| Teaming | 3,202 87 | |
| Stone | 1,234 44 | |
| Gravel | 604 95 | |
| Tools, etc. | 36 70 | |
| | | 9,581 08 |
| Balance | | $6,333 42 |

By an order dated July 9, 1895, this street was laid out a hundred feet wide, from Mt. Auburn Street to Huron Avenue, and under an order dated Nov. 20, 1895, the name was changed to Aberdeen Avenue.

This street is to be constructed after the manner of some of the well-known boulevards in this vicinity. A twenty-four-foot road space in the centre is reserved for the street-car system; two macadamized driveways, each twenty-six feet wide, will be constructed, one on each side of this reserved space. The sidewalks are to be twelve feet wide, consisting of a walk eight feet wide with a sodded space next to the edgestone, of four feet, which will allow for planting trees.

Sewers, water and gas pipes will be laid in the street, and the street-car tracks placed before it is finished.

The amount above shown has been expended for labor and materials used in the partial construction of the avenue. It has been brought to sub-grade, and is practically ready for the Telford macadam which will be laid next year. The edgestones have been delivered and laid along both sides so that we shall be able to set them just as soon as the ground is in proper condition in the spring. As the work so far completed has cost considerably more than was expected, the unexpended balance will hardly be sufficient to complete the avenue as contemplated, and we shall request that an additional appropriation be made next year.

When completed, this avenue will probably be the finest in the city; it connects the street-car system on Mt. Auburn Street with that on Huron Avenue, and will form a magnificent approach to the Fresh Pond Park.

### Construction of Seventh Street.

| | |
|---|---|
| Appropriation . . . . . | $1,075 00 |

By an order dated October 9, 1895, Seventh Street, from Thorndike Street to Spring, was laid out to a width of forty feet, and the above appropriation made for construction.

As the time within which the buildings on this street should be moved did not expire until it was too late to do any street

work, the amount appropriated will be carried forward in the budget, and the street constructed early next season.

**Collection of Ashes.**

| | | |
|---|---|---|
| Appropriation | | $18,750 00 |
| EXPENDED. | | |
| Labor | $16,066 29 | |
| Hay and grain | 2,018 80 | |
| Harnesses, etc. | 124 45 | |
| Horses | 350 00 | |
| Wagons, covers, etc. | 190 32 | |
| | | 18,749 86 |
| Balance | | $ 14 |

The above amount has been expended, as shown, for labor, care and feed of horses, and expenses incidental to the work.

In no year in the history of the city has there been such a marked increase in the work of this department, as in the year just passed.

We have collected and disposed of 35,718 loads of ashes, etc. (which was about 8,000 more than was collected the previous year); 5,355 loads were sold; 5,729 were delivered at the several parks; and 24,634 were carted to the dumps.

The force in this department has been increased to sixteen teams, eight helpers and two dump men, who are employed throughout the entire year.

Judging from the increase in the work for the past two years, we shall require at least $20,000.00 for this department next year.

The condition of the ash dumps in the several sections of the city has been greatly improved; the flats at the old City Wharf on Main Street, near Sixth Street, are rapidly being filled up, and a special officer is detailed there to prevent the accumulation of offensive matter.

**Maintenance.**

| | | |
|---|---|---|
| Appropriation | | $71,812 72 |
| EXPENDED. | | |
| Salary of Superintendent | $2,000 00 | |
| Clerical assistance | 1,656 24 | |
| Labor | 34,881 23 | |
| Teaming | 5,053 83 | |
| Stone and gravel | 12,827 59 | |
| Hay and grain | 3,496 75 | |
| New Steam Roller | 2,875 00 | |
| Repairs to steam rollers | 1,352 42 | |
| Crushers, Repairs and Supplies | 1,075 56 | |
| Hardware, Tools and Repairs | 1,090 06 | |
| Fuel and Lights | 2,002 83 | |
| Horses, Harnesses, Carriage and Wagon Repairs, etc. | 784 74 | |
| Miscellaneous | 2,716 47 | |
| | | $71,812 72 |

The above summary briefly shows the expenditures under this appropriation; for more detailed account of the same, see City Auditor's report. This appropriation covers all the running expenses of the department, and while it is commonly understood that the amount appropriated is for the maintenance of the streets, as a matter of fact but little more than one-half the amount is available for actual street work.

The following schedule shows the streets graded in each of the districts, an itemized account of the cost of each street, and the total cost in each district: —

**District No. 1 (Wards 2, 3 and 4).**

| | | |
|---|---|---|
| Ellsworth Avenue:— | | |
| Labor | $19 00 | |
| Teaming | 38 25 | |
| Rolling | 17 50 | |
| Cracked Stone | 105 00 | |
| | | $179 75 |
| Salem Street:— | | |
| Labor | $12 00 | |
| Teaming | 16 50 | |
| Rolling | 3 50 | |
| Gravel | 20 10 | |
| | | 52 10 |
| *Amount carried forward* | | $231 85 |

| | | |
|---|---|---|
| *Amount brought forward* . . . . | | $231 85 |
| Auburn Street from Pearl Street to Brookline Street:— | | |
| Labor . . . . . | $80 00 | |
| Teaming . . . . . | 120 00 | |
| Rolling . . . . . | 17 50 | |
| (No material used, street cut down.) | | |
| | ——— | 217 50 |
| Somerset Street from Pleasant Street to Walnut Court:— | | |
| Labor . . . . . | $70 00 | |
| Teaming . . . . . | 61 50 | |
| (123 loads of material carted away.) | | |
| | ——— | 131 50 |
| Albany Street, entire:— | | |
| Labor . . . . . | $504 00 | |
| Teaming . . . . . | 1,144 50 | |
| Rolling . . . . . | 80 50 | |
| Gravel . . . . . | 153 60 | |
| Cracked Stone . . . . . | 1,432 50 | |
| | ——— | 3,315 10 |
| Hunting Street:— | | |
| Labor . . . . . | $24 00 | |
| Teaming . . . . . | 18 00 | |
| Cracked Stone . . . . . | 12 50 | |
| | ——— | 54 50 |
| Plymouth Street:— | | |
| Labor . . . . . | $96 00 | |
| Teaming . . . . . | 72 00 | |
| Cracked Stone . . . . . | 12 50 | |
| Gravel . . . . . | 30 30 | |
| | ——— | 210 80 |
| Magazine Street, entire:— | | |
| Labor . . . . . | $260 00 | |
| Teaming . . . . . | 474 00 | |
| Rolling . . . . . | 112 00 | |
| Cracked Stone . . . . . | 1,777 50 | |
| | ——— | 2,623 50 |
| Portland Street:— | | |
| Labor . . . . . | $128 00 | |
| Teaming . . . . . | 240 75 | |
| Rolling . . . . . | 49 00 | |
| Cracked Stone . . . . . | 892 50 | |
| Gravel . . . . . | 3 30 | |
| | ——— | 1,313 55 |
| Plymouth Street:— | | |
| Labor . . . . . | $64 00 | |
| Teaming . . . . . | 234 00 | |
| Rolling . . . . . | 7 00 | |
| Gravel . . . . . | 156 90 | |
| | ——— | 461 90 |
| *Amount carried forward* . . . . | | $8,560 20 |

| | | |
|---|---|---|
| *Amount brought forward* . . . . | | $8,560 20 |
| Franklin Street from Bay Street to Putnam Avenue :— | | |
| Labor . . . . . | $10 00 | |
| Teaming . . . . . | 31 50 | |
| Gravel . . . . . | 21 90 | |
| | ——— | 63 40 |
| Portland Street :— | | |
| Labor . . . . . | $14 00 | |
| Teaming . . . . . | 40 50 | |
| Gravel . . . . . | 28 50 | |
| | ——— | 83 00 |
| Somerset Street : — | | |
| Labor . . . . . | $15 00 | |
| Teaming . . . . . | 40 50 | |
| Gravel . . . . . | 29 70 | |
| | ——— | 85 20 |
| Bay Street :— | | |
| Labor . . . . . | $18 00 | |
| Teaming . . . . . | 49 50 | |
| Rolling . . . . . | 3 50 | |
| Gravel . . . . . | 34 80 | |
| | ——— | 105 80 |
| Inman Street from Austin Street to Mass. Ave. :— | | |
| Labor . . . . . | $46 00 | |
| Teaming . . . . . | 67 50 | |
| Rolling . . . . . | 31 50 | |
| Cracked Stone . . . . . | 247 50 | |
| | ——— | 392 50 |
| Vernon Street :— | | |
| Labor . . . . . | $41 00 | |
| Teaming . . . . . | 36 00 | |
| Rolling . . . . . | 28 00 | |
| Cracked Stone . . . . . | 152 50 | |
| | ——— | 257 50 |
| Fairmont Avenue :— | | |
| Labor . . . . . | $103 00 | |
| Teaming . . . . . | 186 75 | |
| Rolling . . . . . | 3 50 | |
| Gravel . . . . . | 72 90 | |
| | ——— | 366 15 |
| Ellsworth Avenue : — | | |
| Labor . . . . . | $64 00 | |
| Teaming . . . . . | 101 25 | |
| Rolling . . . . . | 49 00 | |
| Cracked Stone . . . . . | 440 00 | |
| Gravel . . . . . | 1 80 | |
| | ——— | 656 05 |
| *Amount carried forward* . . . . | | $10,569 80 |

| | | | |
|---|---|---|---|
| *Amount brought forward* | | $10,569 80 | |
| Osborn Street: — | | | |
| Labor | $226 00 | | |
| Teaming | 234 00 | | |
| Rolling | 80 50 | | |
| Cracked Stone | 667 50 | | |
| Gravel | 111 00 | | |
| | | 1,319 00 | |
| Total, District No. 1 | | | $11,888 80 |

## District No. 2 (Wards 1 and 5).

| | | | |
|---|---|---|---|
| Huron Avenue (formerly Brendon Street): — | | | |
| Labor | $19 00 | | |
| Teaming | 171 00 | | |
| Rolling | 7 00 | | |
| Gravel | 54 90 | | |
| | | 251 90 | |
| Kidder Street: — | | | |
| Labor | $49 50 | | |
| Teaming | 54 00 | | |
| Rolling | 21 00 | | |
| Cracked Stone | 125 00 | | |
| | | 249 50 | |
| Appian Way: — | | | |
| Labor | $80 00 | | |
| Teaming | 102 37 | | |
| Rolling | 28 00 | | |
| Cracked Stone | 175 00 | | |
| Gravel | 4 50 | | |
| | | 389 87 | |
| Willis Court: — | | | |
| Labor | $33 00 | | |
| Teaming | 40 50 | | |
| Rolling | 7 00 | | |
| Gravel | 17 70 | | |
| | | 98 20 | |
| Concord Avenue, from Walden St. to Mass. Ave.: — | | | |
| Labor | $580 50 | | |
| Teaming | 565 87 | | |
| Rolling | 189 00 | | |
| Cracked Stone | 652 50 | | |
| Gravel | 17 70 | | |
| | | 2,005 57 | |
| *Amounts carried forward* | | $2,995 04 | $11,888 80 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* | | $2,995 04 | $11,888 80 |
| Broadway, between Dana Street and Cambridge Street: — | | | |
| Labor | $40 50 | | |
| Teaming | 91 12 | | |
| Rolling | 31 50 | | |
| Cracked Stone | 167 50 | | |
| | | 330 62 | |
| Shepard Street: — | | | |
| Labor | $58 00 | | |
| Teaming | 171 00 | | |
| Rolling | 38 50 | | |
| Cracked Stone | 450 00 | | |
| | | 717 50 | |
| Howland Street: — | | | |
| Labor | $112 00 | | |
| Teaming | 133 87 | | |
| Rolling | 14 00 | | |
| Gravel | 20 70 | | |
| | | 280 57 | |
| Wendell Street: — | | | |
| Labor | $227 00 | | |
| Teaming | 428 62 | | |
| Rolling | 49 00 | | |
| Cracked Stone | 212 50 | | |
| Gravel | 60 60 | | |
| | | 977 72 | |
| Myrtle Avenue: — | | | |
| Labor | $96 00 | | |
| Teaming | 226 12 | | |
| Gravel | 67 20 | | |
| | | 389 32 | |
| Chauncy Street: — | | | |
| Labor | $29 50 | | |
| Teaming | 104 62 | | |
| Rolling | 43 75 | | |
| Cracked Stone | 252 50 | | |
| | | 430 37 | |
| Brattle Square: — | | | |
| Labor | $98 00 | | |
| Teaming | 63 00 | | |
| Cracked Stone | 150 00 | | |
| Gravel | 7 20 | | |
| | | 318 20 | |
| *Amounts carried forward* | | $6,439 24 | $11,889 80 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* | | $6,439 34 | $11,888 80 |
| Elliott Square: — | | | |
| Labor | $27 50 | | |
| Teaming | 29 25 | | |
| Rolling | 3 50 | | |
| Cracked Stone | 7 50 | | |
| Gravel | 8 70 | | |
| | | 76 45 | |
| Glenwood Avenue: — | | | |
| Labor | $100 50 | | |
| Teaming | 56 25 | | |
| Rolling | 7 00 | | |
| Gravel | 37 50 | | |
| | | 201 25 | |
| Willard Street: — | | | |
| Labor | $46 00 | | |
| Teaming | 144 00 | | |
| Cracked Stone | 10 00 | | |
| Gravel | 61 20 | | |
| | | 261 20 | |
| Crescent Street: — | | | |
| Labor | $78 00 | | |
| Teaming | 123 75 | | |
| Cracked Stone | 347 50 | | |
| | | 549 25 | |
| Mason Street: — | | | |
| Labor | $40 00 | | |
| Teaming | 68 82 | | |
| Rolling | 17 50 | | |
| Cracked Stone | 175 00 | | |
| | | 301 32 | |
| Mass. Ave., from Hancock St. to Trowbridge St.: — | | | |
| Labor | $28 00 | | |
| Teaming | 24 75 | | |
| Rolling | 49 00 | | |
| Cracked Stone | 35 00 | | |
| | | 136 75 | |
| Quincy Street: — | | | |
| Labor | $34 00 | | |
| Teaming | 189 00 | | |
| Rolling | 52 50 | | |
| Cracked Stone | 392 50 | | |
| Gravel | 10 80 | | |
| | | 678 80 | |
| *Amounts carried forward* | | $8,644 36 | $11,888 80 |

| | | | |
|---|---|---|---|
| *Amounts brought forward* | | $8,644 36 | $11,888 80 |
| Sparks Street: — | | | |
| Labor | $176 50 | | |
| Teaming | 236 25 | | |
| Rolling | 66 50 | | |
| Cracked Stone | 390 00 | | |
| Gravel | 21 60 | | |
| | | 890 85 | |
| Fayerweather Street: — | | | |
| Labor | $27 00 | | |
| Teaming | 54 00 | | |
| Cracked Stone | 10 00 | | |
| Gravel | 33 90 | | |
| | | 124 90 | |
| Lake View Avenue: — | | | |
| Labor | $464 00 | | |
| Teaming | 360 00 | | |
| Rolling | 91 00 | | |
| Cracked Stone | 812 50 | | |
| Gravel | 13 80 | | |
| | | 1,741 30 | |
| Huron Avenue, from Lake View Avenue to Fresh Pond Lane: — | | | |
| Labor | $410 00 | | |
| Teaming | 200 25 | | |
| Rolling | 66 50 | | |
| Cracked Stone | 60 00 | | |
| Gravel | 41 40 | | |
| | | 778 15 | |
| Cambridge Street, from Dana Street to Broadway: — | | | |
| Labor | $123 00 | | |
| Teaming | 267 75 | | |
| Rolling | 73 50 | | |
| Cracked Stone | 600 00 | | |
| Gravel | 2 70 | | |
| | | 1,066 95 | |
| Harvey Street: — | | | |
| Labor | $387 00 | | |
| Teaming | 387 00 | | |
| Rolling | 7 00 | | |
| Gravel | 63 80 | | |
| | | 844 80 | |
| Total, District No. 2 | | | 14,091 31 |
| Total, Macadamizing | | | $25,980 11 |

In addition to the above amount expended for macadamizing streets, $7,025.97 in the first district and $7,380.80 in the second district, making a total of $14,406.77, has been expended in "patching" and "minute repairs" on nearly all the streets in the city, and while this work is not entirely satisfactory, we shall be obliged to continue this policy until appropriations can be made large enough to allow more grading or macadamizing to be done each year.

The expense of paving First Street from the northerly side of Broad Canal to Athenæum Street, amounting to about $4,000.00, was also charged to this appropriation. Mention of this street will be found elsewhere in the report.

A careful perusal of the preceding pages will show that the amount which we have been able to expend actually for labor and materials used directly on the streets, is only about $40,000.00, and with this small appropriation we are expected to keep in proper condition about eighty-five miles of streets, the greater part of them low, with poor foundations, and with serious defects in their original construction.

Most of the wear and tear of our streets is due to heavy teaming through the city from the surrounding towns, this city being the main thoroughfare to Boston. The only way in which these thoroughfares can be kept in proper condition is to heavily macadamize or pave the principal streets.

Much has been said recently, both in the public press and otherwise, about the condition of our streets; still, notwithstanding the increase in our population and the acceptance of new streets every year, the appropriation for the maintenance of them has not been increased.

The widespread, in fact almost universal use of the bicycle, has created, among a large number of citizens who have hitherto given the subject but little attention, a growing demand for greater excellence in the construction of streets. This demand for smooth and well kept streets ought, as far as possible, to be met. There is no question as to the economy of a thoroughly constructed street even when the original outlay seems large, but unless a radical change is made in the method of doing and

the amount annually allowed for this work, I do not see how we can hope to materially improve the condition of our streets.

That part of Massachusetts Avenue from the Arlington line to Harvard Square (formerly North Avenue) should be thoroughly rebuilt during the coming year. The condition of this avenue has been a constant theme of discussion among wheelmen above referred to, and others, and is, in fact, in a deplorable condition; but to thoroughly macadamize this street as it should be done would cost more than was appropriated this year for the maintenance of all our streets.

The approach to Cambridge from Harvard Bridge, which was quite thoroughly constructed a little over four years ago, has, owing to the character of the foundation, sunken considerably, and must be re-surfaced next season. As the roadway at this point is sixty feet wide and considerably more than half a mile long, it will require quite a large expenditure to put it in proper condition.

A special appropriation should be made for the reconstruction of these two sections of Massachusetts Avenue, and estimates of the cost will be placed before the Finance Committee when the budget is under consideration.

Portland Street, Brookline Street, Webster Avenue, Rindge Avenue, Sherman Street, Richdale Avenue, Garden Street, Prospect Street, portions of Broadway and Harvard Street and a number of the other principal streets need immediate attention, and the annual appropriation for Maintenance next year should be increased to such an extent that all of them could be put in good condition.

For work upon the streets we use as little gravel as possible, replacing it with cracked stone, which wears a great deal longer and makes the streets less muddy. In May, 1894, a stone-crushing plant was established at the City Ledge on Tannery Street, and we have been able since then to furnish this material for patching and grading more economically than ever before.

The vein of trap rock which we have been working there, and which is the only part of the ledge suitable for our work, is now almost entirely exhausted, and steps should at once be

taken toward securing a new ledge, in the immediate vicinity of the City, located on one of the railroads. Our stone-crushing plant can be moved without difficulty, and a ledge of good trap rock can undoubtedly be procured which will supply us with good material for road making for a number of years. At present we are compelled to rely on field stone, carted to us from surrounding towns, for which we are paying seventy-five cents per ton, delivered at the crusher. In a well equipped ledge, the stone can be quarried and delivered at the crusher for about thirty cents per ton, and when the fact that we bought this year about twenty thousand tons of stone for the crusher is taken into consideration, it will be seen that the annual saving would be considerable.

In accordance with a recommendation made in last year's report, provision was made in the budget this year for the purchase, out of the appropriation for Maintenance, of a new steam road-roller of fifteen gross tons capacity. As will be seen by reference to the summary of expenditures above, a steam roller was purchased at an expense of $2,875.00. Some comment having been made, in the public press and elsewhere, in reference to this purchase, it may be of some interest to briefly state here the facts in the case. An advertisement was prepared and published, asking for proposals for furnishing the city with a fifteen-ton steam road-roller, copies being sent to the four establishments engaged in their manufacture. When the bids were opened, it was discovered that a proposal from one of the manufacturers was not in the box, although a supplementary letter in reference to the proposal, mailed some hours after the proposal proper (which had been sent special delivery), was received two hours before the time mentioned in the advertisement for closing bids had expired.

The representative of the house, who had arrived some time before the proposal, which he had mailed several hours before he started, requested an opportunity to compete and it was decided, without disclosing the contents of the proposals received, to issue a new advertisement. In the meanwhile, a thorough examination of all the machines was made; and when the

second proposals were opened the O. S. Kelly Company, of Springfield, Ohio, were found to be the lowest bidders. The roller was according purchased of them at the price named, and so far has given perfect satisfaction. Under their contract, a five years' guarantee is given, secured by bond, to furnish free any part which may prove defective either in workmanship or material, and the transaction has resulted in a saving to the City of $400.00 on the cost of the machine.

The three rollers now owned by the City have been constantly employed during the year, and have been of great assistance in our street work.

## Streets Laid Out and Grades Established from December 1, 1894, to December 1, 1895.

| STREET. | | | | | PLAN. | | |
|---|---|---|---|---|---|---|---|
| Name. | From | To | Length in Feet. | Width in Feet. | Accepted | Made by | |
| Charles Street | Second Street | Third Street | 421.2 | 50 | Oct. 23 | W.S. Barbour & A. Hodges | April 24, 1895 |
| Chestnut Street | Brookline Street | Sidney Street | 402.0 | 40 | July 3 | W. A. Mason & Son | April 16, 1895 |
| Glenwood Avenue | Magazine Street | Pearl Street | 475.6 | 40 | May 8 | E. F. Bowker | Nov. 1, 1892 |
| Harvey Street | Part formerly accepted | Central Mass. R. R. | 950.0 | 30 | Oct. 30 | City Engineer | Sept. 2, 1895 |
| Hayes Street | Putnam Avenue | Howard Street | 698.0 | 30 | July 31 | City Engineer | Oct. 1, 1894 |
| Hews Street | Western Avenue | Grigg Street | 283.0 | 40 | May 15 | W. A. Mason | July 1, 1891 |
| Leonard Avenue | Cambridge Street | Northerly | 665.0 | 40 | July 3 | W. A. Mason & Son | April 8, 1895 |
| Magazine Street | Florence Street | Chas. River Parkway | 647.7 | 50 | Nov. 8 | E. F. Bowker | Sept. 16, 1895 |
| *McDonald Street | Mt. Auburn Street | Huron Avenue | 1,280.0 | 100 | July 9 | City Engineer | July 1, 1893 |
| Osborn Street | State Street | Albany Street | 477.0 | 35 | July 3 | E. F. Bowker | June 6, 1893 |
| Rockwell Street | River Street | Pleasant Street | 383.6 | 30 | Sept. 25 | W. A. Mason & Son | June 10, 1895 |
| Seventh Street | Thorndike Street | Spring Street | 205.5 | 40 | Oct. 9 | City Engineer | June 27, 1895 |
| Vine Street | Second Street | Third Street | 321.1 | 50 | Oct. 23 | W.S. Barbour & A. Hodges | April 24, 1875 |
| West Bellevue Avenue | Raymond Street | Westerly | 181.9 | 30 | May 22 | W. A. Mason & Son | June 30, 1895 |
| | | | 7,391.6 | | | | |

*McDonald Street, name changed to Aberdeen Avenue, Nov. 20, 1895.

Total during year, 7,391.6 feet, or 1.3999 miles.
Length of streets accepted Dec. 1, 1895, 85.594 miles.

### Paving, Edgestones and Sidewalks.

| | | |
|---|---|---|
| Appropriation | | $29,967 62 |
| EXPENDED. | | |
| Labor | $15,411 47 | |
| Teaming | 2,986 86 | |
| Bricks | 1,865 15 | |
| Gravel and Sand | 1,284 40 | |
| Edgestone | 6,788 29 | |
| Flagging Stone | 1,124 58 | |
| Recutting Block Stone | 72 48 | |
| Tools and Supplies | 355 97 | |
| | | 29,889 20 |
| Balance | | $78 42 |

This appropriation has been expended for resetting old edgestones, relaying old brick sidewalks, setting new edgestones, laying new brick sidewalks, and new flagging crossings.

During the past year we have laid all the flagging on hand, but there still remains a great deal of new crossing work to be done. The demand for flagstone crossings annually increases, and there are hundreds of the old-style block crossings which should be removed and flagging put in their places; wherever we resurface or macadamize a street this is done, and a good deal has been accomplished during the past year in this direction. In addition to this there are a great many places where there are no crossings and where they are imperatively needed.

Following is a list of the streets, by districts, where crossing work has been done. This list does not include streets macadamized under special appropriations, but only work done and paid for out of the above appropriation.

### Crossings, District No. 1.

| | Cost. |
|---|---|
| Lawrence Street at Niagara Street | $32 88 |
| Sixth Street at Spring Street (relaid) | 51 12 |
| Sixth Street at Vine Street (relaid) | 31 12 |
| Broadway between Prospect Street and Inman Street | 56 44 |
| Salem Street at Auburn Street | 97 25 |
| *Amount carried forward* | $268 81 |

| | | |
|---|---|---|
| *Amount brought forward* . . . . . | $268 81 | |
| Brookline Street at Henry Street (two) . . | 87 97 | |
| Magazine Street at Putnam Avenue . . . . | 54 17 | |
| Inman Square (two) . . . . . | 187 31 | |
| Hampshire Street at Prospect Street (two) . | 100 90 | |
| Fifth Street at Spring Street . . . . . | 56 96 | |
| Fourth " " " " . . . . . | 54 70 | |
| Fifth " " Charles " (two) . . . . . | 141 51 | |
| Harvard " " Lee " . . . . . | 45 47 | |
| School " " Cherry " . . . . . | 54 94 | |
| Main " " Sixth " . . . . . | 47 12 | |
| Bay " " Mass. Ave. . . . . | 39 06 | |
| Hancock " " Mass. Ave. . . . . | 37 80 | |
| Vernon " " Mass. Ave. . . . . | 52 36 | |
| Central Square (relaid) . . . . . | 20 71 | |
| North Street at Short Street (relaid) . . . . | 11 37 | |
| Cambridge Street at Maple Avenue . . . . | 79 97 | |
| Harvard Street at Clark and Moore Streets (relaid) . . . . . | 6 24 | |
| Total, District No. 1. . . . . | | $1,347 37 |

**Crossings, District No. 2.**

| | Cost. | |
|---|---|---|
| Avon Street at Shepard Street . . . . . | $37 06 | |
| Harvard Street at Remington Street . . . . | 70 44 | |
| Buckingham Street at Hall Place . . . . . | 50 37 | |
| Oxford Street at Everett and Jarvis Streets (two) . . . . . | 138 58 | |
| Cambridge Street at Memorial Hall (two) . | 469 68 | |
| Peabody Street at College Gate (two) . . . | 190 03 | |
| Brattle " " No. 26 . . . . . | 44 96 | |
| Church Street at Brattle Street . . . . . | 53 89 | |
| Cambridge Street at Irving Street . . . . | 72 09 | |
| Mass. Avenue at Cameron Street . . . . . | 110 39 | |
| " " " Middlesex " . . . . . | 117 50 | |
| Avon Hill Street at Lambert Avenue . . . | 51 22 | |
| Mass. Avenue at Lexington Avenue . . . . | 103 09 | |
| Shepard Street at Wallace Street . . . . . | 40 52 | |
| Wallace " " Shepard Street . . . . . | 50 67 | |
| Avon Hill " " Hillside Avenue . . . . | 51 52 | |
| Sparks Street at Highland Street (repairs) . | 4 18 | |
| Sparks " " Brattle " . . . . . | 62 74 | |
| Harvey " " Wilbur " . . . . . | 45 22 | |
| *Amounts carried forward* . . . . . | $1,764 15 | $1,347 37 |

| | | |
|---|---|---|
| *Amounts brought forward* . . . . . | $1,764 15 | $1.347 37 |
| Harvard Square (repairs) . . . . . | 21 46 | |
| Farwell Place at Brattle Street . . . . . | 32 04 | |
| Broadway, Junction of Cambridge Street (repairs) . . . . . | 27 94 | |
| Cambridge Street at Quincy Street . . . . | 30 37 | |
| Ellery Street at Broadway (repairs) . . . | 17 33 | |
| Dudley " " Mass. Avenue . . . . . | 50 68 | |
| Harvard Square at Dunster Street . . . . | 69 89 | |
| Norris Street at Mass. Avenue . . . . . | 59 67 | |
| Brattle Street at Hawthorn Street (repairs) . | 11 75 | |
| Porter Road at Mass. Ave. . . . . | 298 70 | |
| Total, District No. 2 . . . . . | | 2,383 98 |
| Total, Crossing work . . . . . | | $3,731 35 |

The following tables show by districts the new sidewalk work done during the year, viz. : the number of feet of new circles and edgestones set, and square yards of new brick sidewalk laid, with the expense on each street.

## District No. 1.

| STREETS. | Linear Feet Straight Edgestone. | Linear Feet Circle Edgestone. | Square Yards Brick Sidewalk. | Amount. |
|---|---|---|---|---|
| Inman Street, between Austin Street and Harvard Street | 12 | | 427 | $374 81 |
| Hancock and Centre Streets | | | 341.7 | 334 44 |
| Massachusetts Avenue, from No. 890 to Pleasant Street | | | 749 | 762 47 |
| Hampshire Street, between Elm Street and Columbia Street | | | 289 | 273 34 |
| Market Street, Nos. 55–57 | | | 40.4 | 35 76 |
| Bristol Street, between Hampshire Street and Webster Avenue | 245.8 | 18.8 | | 251 47 |
| Market Street, between Broadway and Clark Street | | | 108 | 38 60 |
| Hunting Street, entire | 1,064 | | | 871 45 |
| Vine Street, between Fifth Street and Sixth Street | | | 352.5 | 334 83 |
| Allston Street, cor. Brookline Street | 6.5 | | 242.6 | 267 06 |
| Broadway, cor. Clark Street | | 18.8 | | 29 31 |
| Hastings Square, between Chestnut Street and Henry Street | 283.2 | 9.5 | | 301 43 |
| Massachusetts Avenue, from No. 606 to 614 | 30 | | 23.5 | 48 16 |
| Chestnut Street, Nos. 58 and 60 | 81.5 | | | 71 92 |
| Green Street, from No. 72 to Sidney Street | 114 | | 31.4 | 148 67 |
| Brookline Street, cor. Watson Street | 187.5 | 8.8 | 143 | 370 83 |
| *Amounts carried forward* | 2,024.5 | 55.9 | 2,748.1 | $4,514 55 |

**District No. 1.** — *Continued.*

| STREETS. | Linear Feet Straight Edgestone. | Linear Feet Circle Edgestone. | Square Yards Brick Sidewalk. | Amount. |
|---|---|---|---|---|
| *Amounts brought forward* | 2,024.5 | 55.9 | 2,748.1 | $4,514 55 |
| Brookline Street, at Erie Street | 174.2 | 9.3 | | 191 94 |
| Erie Street, between Pearl Street and Brookline Street | 252.4 | | | 234 15 |
| First Street, between Broad Canal and Ginn's Factory | 640.5 | 38.6 | | 484 43 |
| Franklin Street and Bay Street | 1,310.8 | 33.2 | | 1,250 47 |
| Portsmouth Street, between Hampshire Street and Webster Avenue | 462.8 | 18 | | 377 38 |
| Magazine Street, cor. Glenwood Street | 12.2 | 9.2 | | 26 80 |
| Bristol Street, from S. W. cor. of Portland Street | 156.8 | 9.5 | | 158 02 |
| Hampshire Street, from No. 167 to Prospect Street | 146.5 | | | 193 42 |
| Washington Street, from Pine Street to Columbia Street | 200.5 | | | 171 47 |
| Auburn Street, from Pearl Street to Brookline Street | 301.2 | | | 285 76 |
| Columbia Street, from Lincoln Street to Hampshire Street | 409.3 | 9.5 | | 438 30 |
| Plymouth Street, cor. Webster Avenue | 10.1 | 10.5 | | 20 84 |
| Ellsworth Avenue | 194 | | | 222 48 |
| Erie Street, cor. Brookline Street | | | 170 | 106 83 |
| Erie Street, cor. Pearl Street | | | 204 | 135 70 |
| *Amounts carried forward* | 6,295.8 | 193.7 | 3,122.1 | $8,812 54 |

**District No. 1.** — *Concluded.*

| STREETS. | Linear Feet Straight Edgestone. | Linear Feet Circle Edgestone. | Square Yards Brick Sidewalk. | Amount. |
|---|---|---|---|---|
| *Amounts brought forward* | 6,295.8 | 193.7 | 3,122.1 | $8,812 54 |
| Hampshire Street, between Prospect Street and Tremont Street | | | 218 | 196 49 |
| Columbia Street | | | 374 | 310 65 |
| Sixth Street, cor. Otis Street | | | 63 | 57 87 |
| Allston Street, between Pearl Street and Brookline Street | | | 150 | 140 40 |
| Ellsworth Avenue, west side | | 15.8 | 161.3 | 141 93 |
| Bridge Street, cor. Short Street | | 9.9 | | 22 71 |
| Ellsworth Avenue, east side | 864.5 | 47 | 580.5 | 1,422 68 |
| Totals, District No. 1 | 7,160.3 | 266.4 | 4,668.9 | $11,105 27 |

## District No. 2.

| STREETS. | Linear Feet Straight Edgestone. | Linear Feet Circle Edgestone. | Square Yards Brick Sidewalk. | Amount. |
|---|---|---|---|---|
| Wallace Street, both sides | 881.2 | 20.4 | | $823 05 |
| Wallace Street, at D. Brewer's | 141.7 | | 100.2 | 191 26 |
| Shepard Street, at D. Brewer's | 74.4 | | 170 | 269 75 |
| Walden Street, at Stand pipe | 18.2 | | | 46 31 |
| Shepard Street, from No. 28 to Massachusetts Avenue | 146.2 | | 101.2 | 229 50 |
| Hillside Avenue, from Avon Hill Street to Washington Avenue | | | 248.2 | 287 37 |
| Washington Avenue, from Hillside Avenue to Arey Lot | | | 168.1 | 181 80 |
| White Street, from Union Square to Elm Street | 590 | | 285.5 | 864 31 |
| Chauncy Street | | | 24 | 63 11 |
| Linnæan Street | | | 87 | 41 96 |
| Howland Street, both sides | 536.6 | 13.5 | | 439 62 |
| Spruce Street, cor. Pemberton Street | 204.8 | | | 197 87 |
| Buckingham Street, cor. Hall Place | 13.9 | 18.4 | | 37 21 |
| Wendell Street, between Oxford Street and Carver Street | 1,469 | 54.5 | | 1,364 25 |
| Willard Street, between Mt. Auburn Street and J. Williams' Estate | 255.8 | 19 | | 207 08 |
| Arrow Street, at St. Paul's Church | 21 | | | 14 84 |
| *Amounts carried forward* | 4,352.8 | 125.8 | 1,184.2 | $5,259 29 |

**District No. 2.** — *Continued.*

| STREETS. | Linear Feet Straight Edgestone. | Linear Feet Circle Edgestone. | Square Yards Brick Sidewalk. | Amount. |
|---|---|---|---|---|
| *Amounts brought forward* | 4,352.8 | 125.8 | 1,184.2 | $5,259 29 |
| Elmwood Street, cor. Elmwood Avenue | 10.8 | 9.5 | | 28 31 |
| Avon Hill Street, cor. Lambert Avenue | 24.3 | 9.5 | | 35 18 |
| Spruce Street, Nos. 25 to 31 | 142.3 | 19 | | 142 28 |
| Garden Street, cor. Huron Avenue | 6.4 | 37.5 | | 59 49 |
| Avon Hill Street, from Hillside Avenue to Linnæan Street | 365.5 | 19 | | 352 69 |
| Broadway, from Ware Street to Cambridge Street | 323.2 | | | 316 98 |
| Concord Avenue, from Buckingham Street, westerly | 31.8 | | | 34 18 |
| Dana Street, from No. 62 to Cambridge Street | 461 | | | 420 79 |
| Quincy Street, between Harvard Street and Cambridge Street | 403.5 | | | 490 60 |
| Wendell Street, cor. Carver Street | 7 | 9.5 | | 14 61 |
| Lake View Avenue, between Brattle Street and Huron Avenue | | | 2,460.2 | 1,880 03 |
| Massachusetts Avenue, 1035–1037–1039 | | | 88 | 103 38 |
| Brewster Street, Nos. 17 and 19 | 91.9 | | | 98 79 |
| Woodbridge Street, at J. Parry's | 49.9 | | 34.5 | 50 57 |
| Bowdoin Street, from Linnæan Street to Martin Street | 416.2 | | | 384 67 |
| *Amounts carried forward* | 6,686.6 | 229.8 | 3,766.9 | $9,671 84 |

## District No. 2. — *Concluded.*

| STREETS. | Linear Feet Straight Edgestone. | Linear Feet Circle Edgestone. | Square Yards Brick Sidewalks. | Amount. |
|---|---|---|---|---|
| *Amounts brought forward* | 6,686.6 | 229.8 | 3,766.9 | $9,671 84 |
| Meacham Street, at No. 22 | 54 | | | 97 05 |
| Shepard Street, from Avon Street, easterly | | | 99.8 | 111 94 |
| Kidder Street, from Massachusetts Avenue to Somerville line | 502.5 | 9.5 | | 458 61 |
| Massachusetts Avenue, from Dover Street to Frank Street | 281.6 | | | 280 22 |
| Quincy Street, front of No. 24 and Colonial Club | 192.3 | | | 161 85 |
| Cambridge Street, cor. Ellery Street | 71.6 | | 90.6 | 159 59 |
| Trowbridge Street, from No. 19 to Putnam Square | | | 192 | 163 02 |
| Church Street, Nos. 9 and 11 | | | 14 | 29 73 |
| Totals, District No. 2 | 7,788.6 | 239.3 | 4,163.3 | $11,133 85 |
| Totals, District No. 1 | 7,160.3 | 266.4 | 4,668.9 | 11,105 27 |
| Totals, New Sidewalk work | 14,948.9 | 505.7 | 8,832.2 | $22,239 12 |

By reference to the foregoing tables it will be seen that about two thirds of this appropriation, or a little over $20,000,00, is available for new sidewalk work. Some idea of the inadequacy of this appropriation may be obtained, when the fact is understood that in addition to this amount of work that we have been able to do, we have in the files of the department about seventy-five uncompleted orders passed by this year's city government, amounting to something like $25,000.00 worth of new work, all of which ought to be done.

There are also a number of petitions in the files of the Committee on Roads and Bridges awaiting action, and as the abutters are obliged by law to pay the cost of materials used in setting new edgestones and laying new brick sidewalks, the appropriation should be sufficient to allow for the granting of all these petitions, so far as practicable.

As a measure of economy, every foot of edgestone petitioned for should be set, for the reason that the cost of keeping the streets and sidewalks in good repair is very much less after this is done. To complete the petitions and orders now on hand and to provide for the natural increase in the demand for edgestones, brick sidewalks and crossings, the appropriation for the coming year should be at least $50,000.00.

The members of the Standing Committee on Roads and Bridges, who have visited all the streets to which these petitions and orders refer, join with me in the recommendation that some provision be made, so that our files may be cleared before action is taken on any new petitions, which even now are coming in at almost every meeting of the city government.

**Paving Gore Street.**

| | | |
|---|---|---|
| Appropriation | | $14,000 00 |
| EXPENDED. | | |
| Labor | $3,651 76 | |
| Teaming | 1,359 00 | |
| Paving Blocks | 7,108 06 | |
| Edgestone | 144 09 | |
| Flagging Stone | 200 10 | |
| Gravel | 1,534 25 | |
| | | 13,997 26 |
| Balance | | $2 74 |

The above amount was expended in paving Gore Street, from Fifth Street to Bridge Street. This street is now paved with granite blocks its entire length, and completes a continuous paved thoroughfare from Somerville and adjacent towns through this city to Boston.

**Paving Western Avenue.**

| | | |
|---|---|---|
| Appropriation | | $3,400 00 |
| EXPENDED. | | |
| Labor | $2,447 80 | |
| Teaming | 243 00 | |
| Edgestone | 697 56 | |
| Lumber | 11 28 | |
| | | 3,399 64 |
| Balance | | $ 36 |

The above amount has been expended, as shown, for paving Western Avenue on the north side, from Kinnaird Street to the bridge. A sufficient number of paving blocks had been purchased and delivered near the street, last year, so that, as will be seen, the expense this year was almost entirely for labor and teaming.

This street is also now paved with granite blocks its entire length in Cambridge, and connecting with Massachusetts Avenue at Central Square forms a complete thoroughfare through the city.

For a number of years past, it has been the policy of the city to make an appropriation for the purpose of paving with granite blocks some street or portion of a street.

In anticipation of a continuance of this policy, I would recommend that First Street, from Athenæum Street to Cambridge Street, be paved during the coming year. This street has already been paved from the Broad Canal to Athenæum Street, and with the establishment there of the large printing house of Ginn & Co., and other industries, traffic on it has increased to such an extent that some provision must be made for it at once.

Main Street from the bridge line to Columbia Street is in an unsafe condition, and should be repaved during the coming year.

Owing to the character of the foundation for streets in that locality, to repave Main Street properly the paving blocks should be relaid on a concrete foundation, the interstices to be filled with coarse gravel and tar.

**Resurfacing Brattle and Craigie Streets.**

| | | |
|---|---|---|
| Appropriation | | $4,150 00 |
| EXPENDED. | | |
| Labor | $1,876 27 | |
| Teaming | 983 25 | |
| Field Stone | 344 40 | |
| Cracked Stone | 176 72 | |
| Flagging Stone | 768 60 | |
| | | 4,149 24 |
| Balance | | $ 76 |

The above appropriation was the unexpended balance, carried forward to this year's accounts, of an appropriation of $13,000.00 made last year for resurfacing Brattle and Craigie Streets, when the street-railway tracks on those streets were removed.

Craigie Street was completed and a large part of Brattle Street was done last year. This work has all been gone over and the uncompleted portion of Brattle Street finished. The street has been resurfaced its entire length, new flagging crossings have been laid where necessary, and it is now one of the most pleasant driveways in the city.

**Resurfacing Columbia, Third and Kirkland Streets.**

| | | |
|---|---|---|
| Appropriation | | $19,500 00 |
| EXPENDED. | | |
| Labor | $4,533 53 | |
| Teaming | 4,918 47 | |
| Field stone | 5,238 97 | |
| Cracked stone | 2,649 13 | |
| Granite paving blocks | 1,320 00 | |
| Flagging stone | 611 91 | |
| Gravel | 114 60 | |
| Repairing tools, etc. | 113 01 | |
| | | 19,499 62 |
| Balance | | $ 38 |

The removal of the street-railway tracks from these streets compelled the resurfacing of them their entire length, and an arrangement was entered into with the West End Street Railway Company whereby the city released the company from any further responsibility in the matter upon the payment of the amount above appropriated.

Third Street, from Main Street to the Broad Canal, has been paved with granite blocks; the remainder of the street and the entire length of Columbia and Kirkland Streets have been thoroughly rebuilt. All the old block crossings have been replaced by flagging, and new crossings of the same material laid where necessary.

The unused tracks on Brookline Street, from Henry Street to the bridge, should be removed and the street resurfaced in the same manner during the coming year.

**Watering Streets.**

| | | |
|---|---|---|
| Appropriation | | $22,000 00 |
| EXPENDED. | | |
| Salary of foreman | $508 50 | |
| Sprinkling Contracts | 18,684 32 | |
| Temporary Clerical Assistance | 288 50 | |
| Labor, repairing and painting carts | 851 36 | |
| Paint stock, etc. | 122 60 | |
| Sprinkling attachments | 1,161 12 | |
| Hardware, Tools and Supplies | 382 53 | |
| | ——— | 21,998 93 |
| Balance | | $1 07 |

This amount has been expended for repairs of watering carts, incidental expenses, and the payment of contractors for sprinkling the streets.

A change, for a long time advocated by the street department, was made in the system of watering streets this year, and has proven an emphatic success.

The old method of compelling citizens to solicit subscriptions from door to door has been abolished, and the amount thus formerly raised has been obtained by an assessment of

one cent per front foot on each side of the streets watered. The testimony in favor of this method of collection has been almost universal, the expense to abutters has been equitably distributed and in most cases materially reduced.

The adoption of the new system of collection made possible a change in the plan of doing the work. Instead of hiring contractors to furnish teams at a price per hour, contracts were made for watering sections of the city at a price (varying from $65 to $80) per month, the contractor being required to keep his section properly watered at all times. By this method we have been able to water all the accepted streets, and some unaccepted streets which are commonly used, without increasing our plant.

Fewer complaints have been received, the service has generally been more satisfactory than ever before, and the cost has relatively been slightly reduced.

We are replacing as rapidly as possible the old-fashioned strainers on the watering carts with the latest patent sprinkling attachments, and shall soon have our entire street-watering plant in the best condition.

**Widening Davenport Street.**

| | |
|---|---|
| Appropriation | $475 00 |
| Expended, for labor | 474 63 |
| Balance | $ 37 |

The above appropriation was a balance from last year's appropriation for the extension of Davenport Street from its southwesterly terminus through to the Avenue. The street has been macadamized, edgestones and circles set, and a crossing laid at the entrance on Massachusetts Avenue.

**Widening Harvard Street.**

| | | |
|---|---|---|
| Appropriation | | $1,800 00 |
| EXPENDED. | | |
| Labor | $466 72 | |
| Bricks | 1,280 00 | |
| Flagging stone | 26 40 | |
| | | 1,773 12 |
| Balance | | $26 88 |

This amount was the unexpended balance from last year's appropriation for widening Harvard Street between Quincy Square and Dunster Street. The street was widened between the points named, and an asphalt pavement laid there. The above amount has been expended in laying new sidewalks of face brick and a new flagging crossing at Dunster Street.

### New Stable and Yard.

The contemplated construction of the proposed parkway along the Charles River renders it imperative that steps be taken at once toward providing for a new stable and yard for the first district. We are at present occupying a portion of the land and buildings bordering on the river at the foot of Ash Street in ward one, owned by the Cambridge Gas Light Company.

The proposed park line cuts off nearly all of our yard space and runs diagonally through the main stable building, taking off about twenty feet on one end of it. I am informed that it is not unlikely that work will be begun there next season, and immediate action is therefore necessary.

If possible, a piece of land should be procured on the line of some railroad, so that a side track might be run into the yard, where materials could be delivered and handled to advantage. A well equipped stable large enough to accommodate at least thirty-five horses should be built, with suitable sheds, roller house, etc.

### In General.

Detailed and accurate accounts are kept of all work done on the streets, and information can be obtained at the office of the cost of construction, paving, or the repairs on any given street, and the number of openings made in it during the year.

All parties requiring permits to open or obstruct the streets are compelled to file bonds with competent sureties to protect the city from any damage which might arise from accidents occurring by reason of the granting and use of such permits. During the past year 1,354 permits have been granted, and we have on file bonds from the parties to whom these permits were granted.

All the supplies of the department are purchased upon requisitions from the office, and duplicate invoices are kept for reference. A record of each horse is kept, from the time of his purchase to his final disposal. All accidents coming under the observation of the employees of the department are reported to the office, where as full particulars as possible, including names of witnesses, etc., are kept on file.

The schedules of sidewalk assessments are reported from this office to the Board of Aldermen, and are levied on the abutters as soon as the work is completed. The daily reports from the police and others of defects in streets and sidewalks, which during the past year amounted to about thirteen hundred, are promptly attended to by the foremen, and a return is made by them on blank forms of the time they receive the reports and complete the work.

Following is a schedule of the property in charge of this department: —

**Real Estate.**

| | | |
|---|---|---|
| City Stable, Hampshire Street: — | | |
| 72,661 sq. ft. of land, Assessors' valuation | $30,000 00 | |
| Stables, sheds, and scales, including old police station | 17,000 00 | |
| | | $47,000 00 |
| Yard and Pound, east side of Norfolk Street, 39,600 sq. ft. of land, Assessors' valuation | $12,000 00 | |
| Mill Pond property, 305,690 sq. ft. of land, Assessors' valuation | 46,000 00 | |
| | | 58,000 00 |
| Total real estate | | $105,000 00 |

**Personal Property.**

| | | |
|---|---|---|
| 46 horses | $11,900 00 | |
| 47 watering carts | 15,525 00 | |
| 2 engines and stone-crushing plants | 14,000 00 | |
| 3 steam road-rollers | 10,875 00 | |
| 4 horse rollers | 1,000 00 | |
| 4 champion road machines | 1,000 00 | |
| 2 Barnard Castle road scrapers | 750 00 | |
| 5 street sweepers | 1,490 00 | |
| 41 carts (29 single, 12 double) | 5,850 00 | |
| 53 sets of harness | 1,400 00 | |
| 24 sleds, 7 snow plows, 2 sleighs | 2,500 00 | |
| 5 buggies and 3 wagons | 600 00 | |
| 2 hay racks | 225 00 | |
| 1 caravan | 150 00 | |
| *Amounts carried forward.* | $67,265 00 | $105,000 00 |

| | | |
|---|---|---|
| *Amounts brought forward* | $67,265 00 | $105,000 00 |
| 2 pungs | 50 00 | |
| Tools and stable furniture | 3,000 00 | |
| 158 feet straight edgestone | 67 94 | |
| 457 feet circle edgestone | 287 91 | |
| 68 feet flagging stone | 40 80 | |
| 450 tons gutter stone | 675 00 | |
| 2,000 cubic yards of paving gravel | 2,000 00 | |
| 10,000 granite paving blocks (seconds) | 200 00 | |
| 11,000 paving bricks (seconds) | 66 00 | |
| 1,000 tons cracked stone and dust | 1,300 00 | |
| | | 74,952 65 |
| Total | | $179,952 65 |

In conclusion, I desire to acknowledge my indebtedness to His Honor the Mayor, for the constant, active interest he has taken in the department, and for his valuable advice and encouragement; to the members of the Joint and Standing Committees on Roads and Bridges, for their co-operation and assistance; and to the heads of the different departments for their uniform courtesy and consideration when dealing with matters affecting this department.

I wish also to express my appreciation of the prompt, intelligent, and efficient manner in which the work of the subordinate officials in the department has been done.

Respectfully submitted,

CHAS. A. BROWN,

*Superintendent of Streets.*

# REPORT OF THE CITY ENGINEER.

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Office of the City Engineer, City Hall,

Cambridge, December 1, 1895.

*To the Honorable the City Council:* —

I herewith submit the twenty-ninth annual report of the City Engineer, showing the operations and expenditures of the departments of Engineering and Sewers for the year ending December 1, 1895.

### Office.

Fifty-one assistants have been in the employ of this department at various times during the year; fourteen persons permanently, besides the clerk.

The yearly summary of work done is as follows: —

### For the Street Department.

| | |
|---|---|
| Number of street lines given | 97 |
| Number of street grades given | 76 |
| Number of surveys | 2 |
| Number of cars measured (cracked stone) | 6 |
| Number of streets on which paving, curb, etc., was measured | 70 |
| Number of assessments prepared | 383 |
| Number of profiles prepared | 13 |

### For the Sewer Department.

| | |
|---|---|
| Number of lines given | 75 |
| Number of grades given | 128 |
| Number of sewers measured | 56 |
| Number of plans or profiles prepared | 49 |
| Number of sewers assessed | 29 |
| Number of sewer assessments prepared | 207 |
| Number of surveys | 2 |

### For Water Works.

*Not including Work done at Hobbs Brook Basin.*

| | |
|---|---|
| Number of lines given | 5 |
| Number of grades given | 241 |
| Number of surveys given | 73 |
| Number of plans made | 130 |

### For the Park Department.

| | |
|---|---|
| Number of surveys made | 45 |
| Number of lines given | 8 |
| Number of grades given | 126 |
| Number of plans made | 10 |

### For Private Parties.

| | |
|---|---|
| Number of street lines given | 109 |
| Number of street grades given | 102 |

### Miscellaneous Work.

| | |
|---|---|
| Number of houses measured | 1360 |
| Number of plans or profiles prepared | 54 |
| Number of surveys or levels made | 20 |
| Number of streets renumbered | 3 |
| Number of surveys at Cemetery | 7 |

There are now on file in the office 4,290 plans.

Early in the year it was decided to furnish to the Assessors plans of the City, showing property and buildings for use in taxation. During the summer two parties were kept on this work, making the necessary surveys. A large amount of data has been secured, and fifteen sheets or block plans have been nearly completed, and it is intended to carry on the work the coming winter.

### Financial.

| | | |
|---|---|---|
| Appropriation | | $22,800 00 |
| Expended for Park Department | $191 84 | |
| " " Water " | 11,981 57 | |
| " " Engineering Department | 10,570 11 | |
| Total amount expended | | 22,743 52 |
| Balance unexpended | | $56 48 |
| Receipts from Park Department | | $191 84 |
| " " Water " | | 12,336 06 |
| " for setting stone bound | | 4 00 |
| Total | | $12,531 90 |

There have also been expended directly from the Park Department, for Engineering expenses, $2,503.43 in addition to the $191.84 noted above, making a total expenditure for that purpose of $2,694.77.

## Streets.

*Aberdeen Avenue.*

By an order dated July 9, 1895, this street (formerly called McDonald Street) was laid out to take the place of McDonald Street. Sewers, water and gas pipes will be laid in the street, and the street-car tracks placed before it is finished.

The street is 100 feet wide, and connects the street-car system in Mt. Auburn Street with that in Huron Avenue, and will form a fine approach to the Fresh Pond Park.

*Massachusetts Avenue.*

A small widening has been made on the north side near Temple Street, to conform to a line contemplated in 1865. Order dated Sept. 18, 1895.

*Seventh Street.*

This street was extended and laid out between Thorndike Street and Spring Street 40 feet wide, by an order dated Oct. 9, 1895.

*Charles Street.*

This street between Third and Second Street was widened to a width of 50 feet and laid out, by an order dated Oct. 23, 1895.

*Vine Street.*

This street between Third and Second Street was widened and laid out 50 feet wide, by an order dated Oct. 23, 1895. All the above-named streets were laid out "under the provisions of law authorizing the assessment of betterment," and any betterments to be assessed should be levied within two years from the dates given.

The streets laid out and accepted are shown in detail in the following table.

## Streets Laid Out and Grades Established from December 1, 1894, to December 1, 1895.

| STREET. | | | | | PLAN. | | |
|---|---|---|---|---|---|---|---|
| Name. | From | To | Length in Feet. | Width in Feet. | Accepted | Made by | Date. |
| Charles Street | Second Street | Third Street | 421.2 | 50 | Oct. 23 | W. S. Barbour & A. Hodges | April 24, 1875 |
| Chestnut Street | Brookline Street | Sidney Street | 402.0 | 40 | July 3 | W. A. Mason & Son | April 16, 1895 |
| Glenwood Avenue | Magazine Street | Pearl Street | 475.6 | 40 | May 8 | E. F. Bowker | Nov. 1, 1892 |
| Harvey Street | Part formerly accepted | Central Mass. R. R. | 950.0 | 30 | Oct. 30 | City Engineer | Sept. 2, 1895 |
| Hayes Street | Putnam Avenue | Howard Street | 698.0 | 30 | July 31 | City Engineer | Oct. 1, 1894 |
| Hews Street | Western Avenue | Grigg Street | 283.0 | 40 | May 15 | W. A. Mason | July, 1891 |
| Leonard Avenue | Cambridge Street | Northerly | 665.0 | 40 | July 3 | W. A. Mason & Son | April 8, 1895 |
| Magazine Street | Florence Street | Chas. River Parkway | 647.7 | 50 | Nov. 8 | E. F. Bowker | Sept. 16, 1895 |
| *McDonald Street | Mt. Auburn Street | Huron Avenue | 1280.0 | 100 | July 9 | City Engineer | July 1, 1895 |
| Osborn Street | State Street | Albany Street | 477.0 | 35 | July 3 | E. F. Bowker | June 6, 1893 |
| Rockwell Street | River Street | Pleasant Street | 383.6 | 30 | Sept. 25 | W. A. Mason & Son | June 10, 1895 |
| Seventh Street | Thorndike Street | Spring Street | 205.5 | 40 | Oct. 9 | City Engineer | June 27, 1895 |
| Vine Street | Second Street | Third Street | 321.1 | 50 | Oct. 23 | W. S. Barbour & A. Hodges | April 24, 1875 |
| West Bellevue Avenue | Raymond Street | Westerly | 181.9 | 30 | May 22 | W. A. Mason & Son | June 30, 1895 |
| | | | 7391.6 | | | | |

*McDonald Street, name changed to Aberdeen Avenue, Nov. 20, 1895.

Total during year 7391.6 feet, or 1.3999 miles.
Length of streets accepted December, 1, 1895=85.594

### Bridges.

The usual examination of the bridges maintained by the City shows that they are in fair condition, and will require but the usual amount of repairs the coming season. The iron bridges at Walden Street and Huron Avenue should be thoroughly painted both for appearance and to protect the metal.

### Sewers.

15,725.3 feet or 2.978 miles of new sewers have been built, making the total mileage in the City 98.227 miles. The total cost to date of this construction has been $1,221,322.81.

All the sewers have been built by day labor in charge of the Superintendent of Sewers, under the general direction of the City Engineer.

The following table shows the details of sewers constructed during the year:

## Sewers Constructed between Dec. 1, 1894, and 1, Dec. 1895.

| Location. | | | Construction | | | | | | | Total Cost. |
|---|---|---|---|---|---|---|---|---|---|---|
| Street. | From | To | Material. | Size in Inches. | Av. depth of Cut. | Man-holes. | Lamp holes. | Inlets. | Length in feet. | |
| † Aberdeen Ave. (W'ly side) | Near Mt. Auburn St | Northerly | Akron pipe. | 10 and 8 | 3.4 | 2 | 1 | 30 | 728.5 | $1,428 92 |
| Aberdeen Ave. (E'ly side) | "Belmont district sewer" | " | " " | 15 | 3.5 | 1 | | 23 | 547.8 | |
| Albany | End of old sewer | Westerly | Portland " | 10 | 5.8 | 1 | 1 | 32 | 369.2 | 574 25 |
| Allen | Orchard St | " | " " | 10 | 7.8 | | 1 | 11 | 184.0 | 114 96 |
| Ashton Place | Irving St | " | " " | 10 | 8.1 | | 1 | 11 | 204.2 | 114 66 |
| ‡ Athenæum | First St | " | " " | 15 | 10.0 | | | 13 | 235.7 | 1,123 10 |
| Baldwin Court | Baldwin St | Easterly | Akron " | 10 | 6.0 | | 1 | 10 | 174.2 | 106 59 |
| Bell | Allston St | Erie St | " " | 10 | 6.5 | 1 | 1 | 32 | 400.2 | 422 24 |
| Bent | End of old sewer | Easterly | Portland " | 15 | 9.0 | | 1 | 2 | 32.2 | 56 67 |
| Bolton | Dublin St | Westerly | " " | 10 and 8 | 7.5 | 1 | 1 | 26 | 392.9 | 304 73 |
| Brattle | Ash St | James St | " " | 10 | 8.7 | | 1 | 20 | 265.3 | 336 26 |
| * Broadway and Main | Pioneer St | First St | Portland pipe and brick. | 24, 18, 12 and 10 | 9.1 | 6 | | 99 | 1,894.2 | 9,116 85 |
| Commercial Ave | Binney St | Bridge St | Iron and Portland pipe. | 24 | | 6 | 1 | 48 | 1,848.8 | 24,354 06 |
| Cypress | Walden St | Southeasterly | Portland pipe. | 10 | 7.5 | | 1 | 6 | 161.9 | 105 08 |
| Fifth | Otis St | Thorndike St | " " | 10 | 9.1 | | 1 | 6 | 88.9 | 101 08 |
| § Green | Lansdowne St | Blanche St | " " | 10 | 6.9 | | 1 | 28 | 361.2 | |
| §§ High | Park Ave | Holworthy St | " " | 10 | 9.1 | 1 | 1 | 38 | 485.3 | |
| Highland Park | Highland Ave | Southeasterly | " " | 8 | 7.3 | 1 | 1 | 10 | 155.3 | 155 69 |
| §§ Holmes | Park Ave | Holworthy St | " " | 10 | 9.0 | 1 | 1 | 24 | 349.4 | |
| §§ Huron Ave | Park Ave | Westerly | " " | 10 | 9.4 | 1 | 1 | 21 | 452.1 | |
| James | Brattle St | Near Mason St | Akron " | 10 | 7.2 | | | 4 | 156.5 | 127 31 |
| | | | | | | 22 | 17 | 498 | 9,487.8 | $38,542 45 |

* 729.5 feet on pile foundation. † 2124 feet on pile foundation (sewer unfinished). ‡ Pile foundation (sewer unfinished).
§ For cost see Lansdowne Street. §§ For cost see Park Avenue and Private Lands.

## Sewers Constructed between Dec. 1, 1894, and Dec. 1, 1895.

| Location. | | | Construction. | | | | | | | Total Cost. |
|---|---|---|---|---|---|---|---|---|---|---|
| Street. | From | To | Material. | Size in Inches. | Av. depth of Cut. | Man-holes. | Lamp holes. | Inlets. | Length in feet. | |
| Jordan Plaee | Broadway | Southerly | Portland pipe. | 10 | 8.0 | 1 | | 5 | 148.0 | $149 87 |
| Lansdowne | Massaehusetts Ave. | Green St | Akron " | 12 | 7.9 | 1 | | 16 | 236.9 | 1,402 17 |
| Magazine | Near Florence St. | Near Chestnut St. | Portland " | 10 | 9.3 | | 1 | 14 | 213.4 | 256 92 |
| Main | Near Sixth St | Westerly | " " | 18 and 15 | 10.0 | 1 | | 18 | 197.8 | 783 61 |
| Main (see Broadway and Main St.) | Broadway | First St | | | | | | | | |
| Massachusetts Ave | End of old sewer | Near B. & A. braneh R.R. | Portland pipe. | 8 | 6.1 | | 1 | 2 | 230.6 | 240 44 |
| Mt. Auburn | Hawthorn St | Westerly | " " | 10 | 8.4 | | 1 | 12 | 178.1 | 289 10 |
| Mt. Vernon | Huron Ave | Southerly | " " | 10 | 7.7 | | 1 | 16 | 255.1 | 190 67 |
| Olive Place | Montgomery St | Westerly | " " | 10 | 7.2 | | 1 | 7 | 112.2 | 77 33 |
| *Osborn | Garden St | Southwesterly | " " | 10 and 8 | 8.3 | 1 | 1 | 18 | 299.3 | 268 85 |
| Orrin | Albany St | State St | " " | 10 | 7.6 | | 1 | 12 | 444.3 | 1,470 65 |
| Oxford (Ward 2) | Plymouth St | York St | " " | 10 | 5.7 | | 1 | 12 | 188.7 | 233 24 |
| † Park Ave. and private lands | Holworthy St | Huron Ave | " " | 15, 12 and 10 | 8.2 | 4 | 1 | 81 | 1185.6 | 4,367 63 |
| Pelham | Pioneer Ave | Main St | " " | 10 | 8.4 | | 1 | 20 | 199.4 | 134 60 |
| Pemberton Place | Pemberton St | Southeasterly | Akron " | 8 | 6.2 | 1 | 1 | 6 | 135.0 | 101 97 |
| Porter Road | Massaehusetts Ave. | Southeasterly | Portland " | 10 and 8 | 7.3 | 1 | 1 | 23 | 397.6 | 255 36 |
| Portland | End of old sewer | Cambridge St | Akron " | 15 and 10 | 9.4 | 1 | | 35 | 404.0 | 436 68 |
| Saeramento Place | Saeramento St | Northerly | Portland " | 10 | 6.8 | 1 | 1 | 16 | 262.4 | 354 46 |
| Walden | Mead St | Southwesterly | Akron " | 8 | 9.3 | | | 4 | 102.1 | 73 00 |
| ‡ Willow | Cambridge St | Webster Ave | " " | 12 and 10 | 7.2 | 3 | | 38 | 1047.0 | 1,398 35 |
| | | | | | | 37 | 30 | 849 | 15,725.3 | $51,027 35 |

* Pile foundation.

† 272.6 feet on pile foundation.

‡ 304 feet on pile fouudation.

## Sewers Reconstructed between Dec. 1, 1894, and Dec. 1, 1895.

| Location. | | | Construction. | | | | | | | Total Cost. |
|---|---|---|---|---|---|---|---|---|---|---|
| Street. | From | To | Material. | Size in Inches. | Av. depth of Cut. | Man-holes. | Lamp holes. | Inlets. | Length in feet. | |
| Bath | Old sewer at angle in street | Southerly | Akron pipe. | 8 | 7.5 | | 1 | 8 | 189.2 | |
| * Broadway | Sixth St | Pioneer St | Portland " | 24 | 10.7 | | | 34 | 496.4 | |
| Cambridge | Springfield St | Westerly | " " | 15 and 12 | 11.4 | 1 | | 10 | 321.6 | $855 12 |
| Fourth | Bridge St | Winter St | " " | 24 | 10.7 | 1 | | 16 | 243.3 | †3,629 70 |
| Sparks | Mt. Auburn St | Foster St | Brick. | 32x41 3/8 | 9.7 | | | 31 | 353.3 | |
| Washington | Brewery St | Portland St | " | 24x26 | 11.1 | | | 29 | 339.1 | 2,271 88 |
| ‡Willard | Mt. Auburn St | Foster St | Akron pipe. | 12 | 10.2 | 1 | | 23 | 369.0 | |
| Winter | Fourth St | Fifth St | Portland " | 20 | 9.7 | 1 | | 43 | 471.9 | |
| | | | | | | 4 | 1 | 194 | 2783.8 | |

* For cost see Broadway and Main Street.

† Includes cost of Winter Street sewer.

‡ 226.7 feet on Pile foundation.

*Catch Basins.*

38 catch basins have been built at a cost of $2,913.63. 4732 loads have been removed from 1419 catch basins, at a cost of $3,799.50. This work has all been done by day labor. 43 catch basins have been repaired.

*Storm Relief Sewer in Massachusetts Avenue.*

Numerous complaints were received of cellars flooded by storm and sewer water on and in the vicinity of Massachusetts Avenue between Shepard Street and the Fitchburg Railroad. An examination showed that sewers there were in good condition, but of inadequate size. It was therefore decided to construct an additional sewer in Waterhouse Street and Massachusetts Avenue discharging into the trunk sewer in Garden Street, and extending, for the present, to Linnæan Street, to take the surplus waters and serve as a "Storm Relief." A contract was executed with the Metropolitan Construction Company on October 15, 1895, to construct the sewer. Work was begun on October 19th, 1895, and rapid progress has been made, so that it will be completed at an early day.

While the work on the sewer in Massachusetts Avenue was in progress, the sewer in Martin Street to Hurlbut Street was relaid with pipe 18″ in diameter.

*Bridge Street Sewer Outlet.*

A contract has been made with the Old Colony Dredging Company of Boston, to remove the accumulation from the flats about the outlet of this sewer. 2726.7 cubic yards of material were removed, at a cost of 67½ cents per cubic yard. The total cost of this work was $2,067.94; ⅗ of this will be paid by the City of Somerville.

*Metropolitan Sewer and Connections.*

The north branch of this sewer system, begun in 1890, has this year been put in operation. Pumping began on the main line June 1st, 1895, and on the Cambridge branch Sept. 23d, 1895, and in August and September the three main sewers in

North Cambridge were connected with and have since been discharging into it. The sewer from the Niles Brothers' slaughtering establishment has also been connected with the Metropolitan Sewer at Alewife Brook, north of Concord Avenue. As fast as is possible, the sewers discharging into Charles River are now being connected with the Cambridge branch.

The Lowell Street, Sparks Street, and Willard Street sewers are now connected with the system, and work on the Hawthorn Street sewer connection is well advanced.

The connection at Binney Street is made, and is now taking the larger portion of the sewage from the Cambridgeport section of the City. This is much the largest of the sewer districts of the City. As the City of Somerville has as yet made no connection with the Metropolitan Sewer, which would take the sewage discharged from Somerville through the Bridge Street sewer, it has not been possible to connect the sewage of East Cambridge flowing through this sewer with the sewer built in Commercial Avenue for that purpose.

When Somerville takes her sewage from this sewer, the connection will be made at the junction of Bridge Street and Commercial Avenue, and all the sewage from the East Cambridge and Cambridgeport section will then be discharged into the Metropolitan Sewer at the junction of Binney and Portland Streets.

Reference was made in the last Annual Report to the construction of this collecting sewer in Binney Street and Commercial Avenue. It is now practically completed, at a cost of $75,737.24. Of this, $2,341.06 was paid to R. D. Wood & Company of Philadelphia for 24″ iron pipe. $676.53 was paid to Builders' Iron Foundry for iron castings. $7,226.18 was paid to John T. Scully for laying the sewer in Commercial Avenue, and $8,927.35 was paid to W. L. Miller & Company for constructing syphon under the Dock or Canal, and the balance, $56,566.12, paid for supplies and labor on the portions in Binney Street and Commercial Avenue built by day labor.

The total cost of the North Metropolitan Sewer to date is

$4,747,516.94. The cost of the South Metropolitan or Charles River line is $769,726.72. Making a total cost of $5,517,-243.66. The total length of the North Metropolitan System will be, when completed, 43.5 miles. The sewage from Cambridge will be pumped or lifted three separate times, a total amount of 36 feet. Some details of the more ordinary apparatus and chambers required at the connections are shown on the plate. One chamber contains the "sand sump," or dirt catcher, designed to retain the more solid portions of sewage in the chamber from which it can easily be removed.

The other chamber contains the "Regulator," or swinging gate, operated by a float. This float rises and falls with the water in the Metropolitan Sewer, and so shuts or opens the attached gate; "regulating" thus the amount of sewage to be discharged into the Metropolitan Sewer. In times of storms this regulator will be shut, and the combined sewage and storm water will then be prevented from entering the Metropolitan Sewer, but will at such times be discharged into the Charles River through the present outlets.

Much of this work, especially on Mt. Auburn Street, has been very slow and expensive, owing to the presence of old sewers, water pipes, street-railroad tracks, ground and tide water, etc. In Sparks Street 353.3 ft. of the old sewer had to be rebuilt at a higher grade. In Willard Street 369.0 feet of connecting pipe had to be laid on pile foundation. At Hawthorn Street the location of the chamber and connection had to be changed on account of excessive amounts of water encountered, and about 175 feet of 18″ pipe laid connecting the two chambers, and 189.2 feet of 8″ pipe was laid in Bath Street.

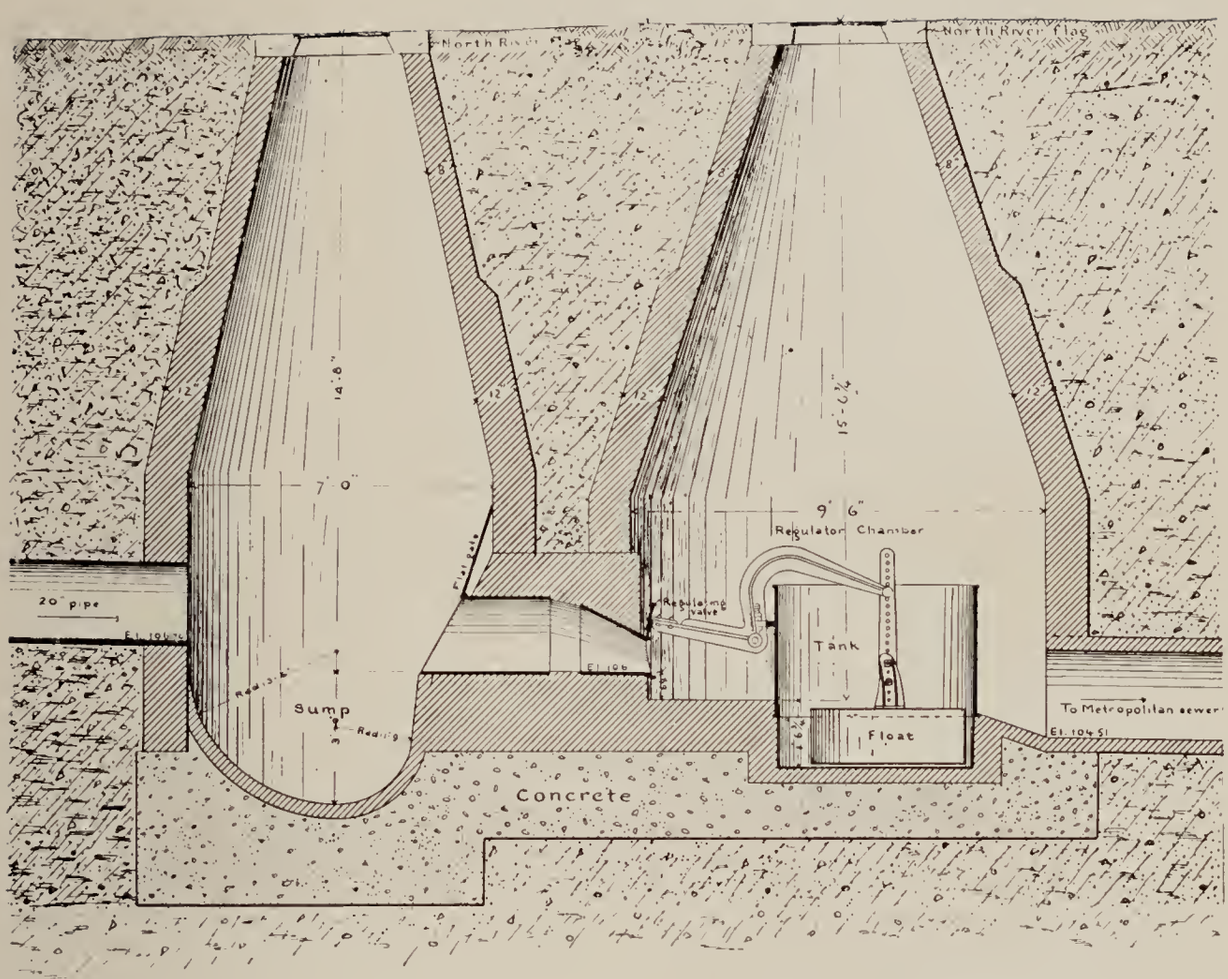
The remainder of the connections should be made the coming season.

**Financial.**

*Sewers (Construction).*

| | | |
|---|---|---|
| Appropriation | $46,340 00 | |
| Amount expended | 29,253 59 | |
| Balance unexpended | | $17,086 41 |
| Receipts | $11,126 94 | |

SECTION ON A-B




CITY OF CAMBRIDGE

METROPOLITAN SEWER CONNECTION

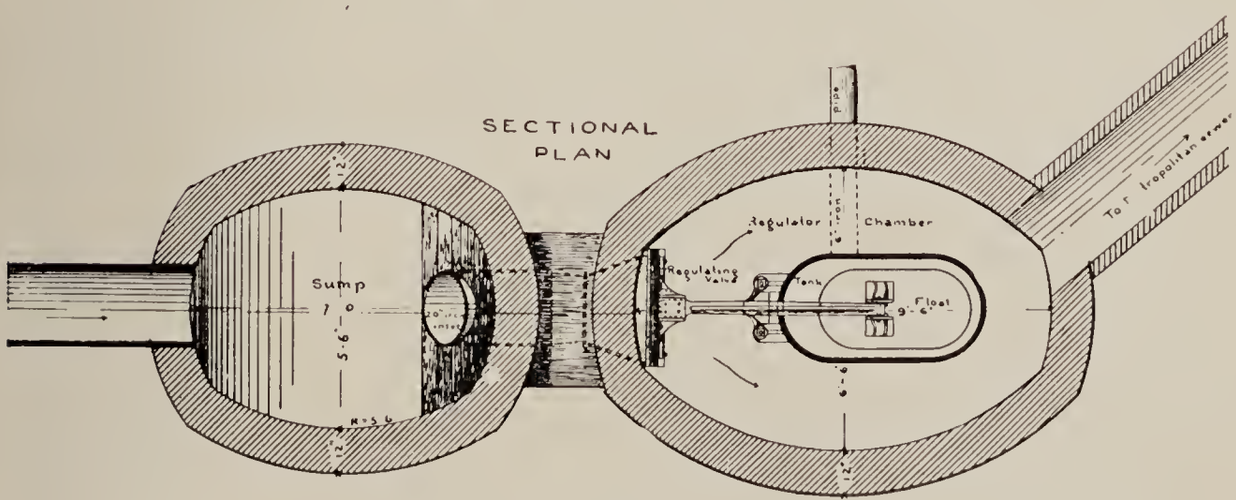
Scale 1" = 2'

1895

L. M. Hastings

CITY ENGINEER

SECTIONAL PLAN



*Massachusetts Avenue Storm Relief Sewer.*

| | | |
|---|---|---|
| Appropriation | $18,000 00 | |
| Expended | 8,054 66 | |
| Balance unexpended | | $9,945 34 |

*Sewers (Maintenance).*

| | | |
|---|---|---|
| Appropriation | $17,307 35 | |
| Expended | 17,307 35 | |
| Receipts | $293 99 | |

*Metropolitan Sewer Connections.*

| | | |
|---|---|---|
| Appropriation | $40,000 00 | |
| Expended | 32,937 99 | |
| Balance unexpended | | $7,062 01 |

**Water Works.**

Water has wasted over Roberts Dam 224 days during the year, and was below the crest of the dam 141 days. The highest water, reached April 15, 1895, was 1.56 feet above the crest. Elevation 82.56. 167,300,000 gallons passed the dam that day. On December 11th, 1894, the lowest water was reached, 6.20 feet below the crest, elevation 74.80.

Water wasted on the dam 224 days as follows: —

| | | |
|---|---|---|
| December, 1894 | | |
| January, 1895 | 242,300,000 | gallons |
| February, " | 40,400,000 | " |
| March, " | 1,306,700,000 | " |
| April, " | 1,414,700,000 | " |
| May, " | 246,800,000 | " |
| June, " | 20,200,000 | " |
| July, " | 14,100,000 | " |
| August, " | 80,700,000 | " |
| September, " | 11,100,000 | " |
| October, " | 381,400,000 | " |
| November, " | 1,545,800,000 | " |

Total amount passing the dam during the year, 5,304,200,000 gallons.

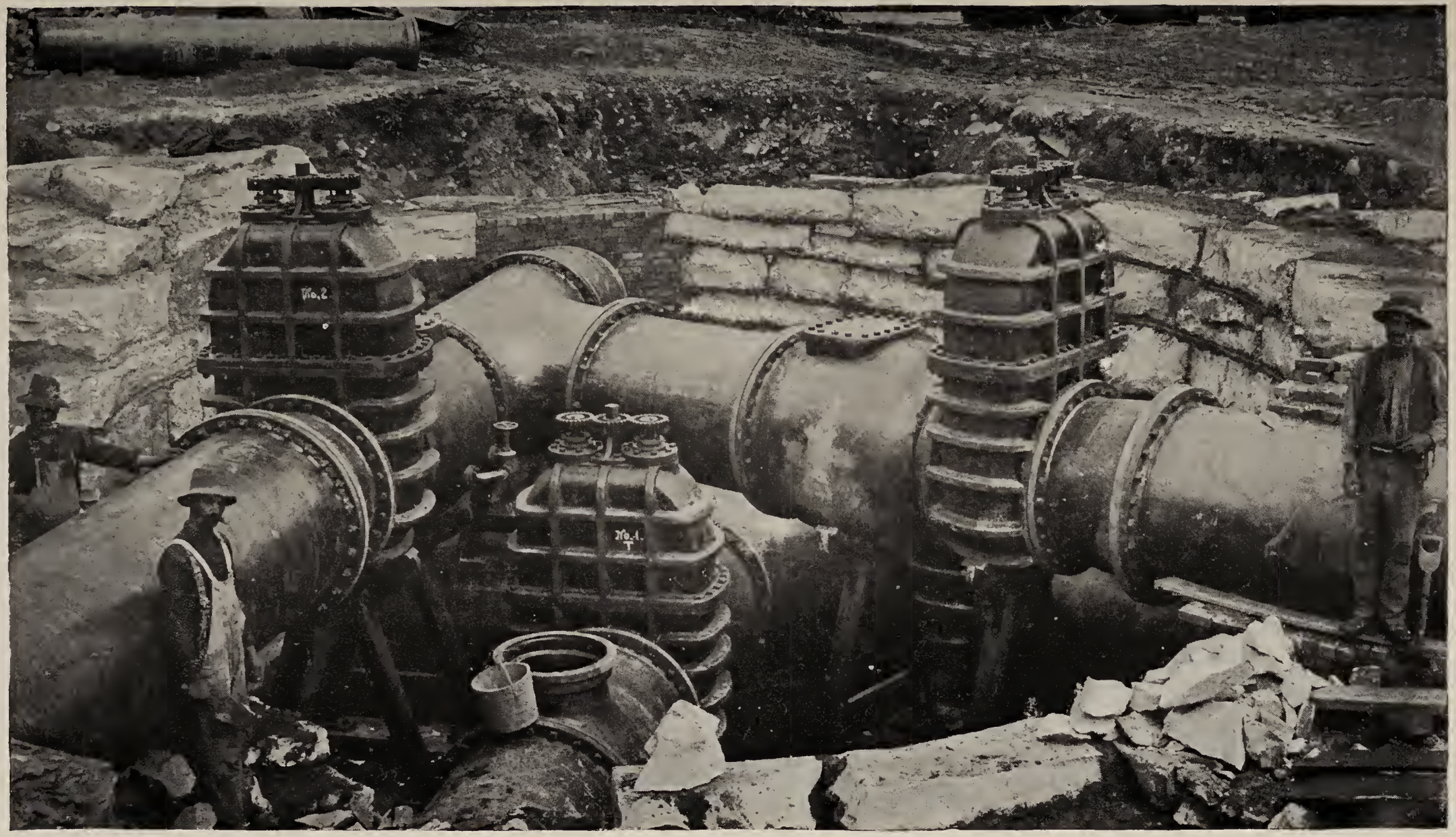
At Fresh Pond the highest water was on June 2d, 1895, at elevation 17.30. The lowest water, September 15th, 1895, at elevation 11.44.

### Payson Park Reservoir.

The work of constructing this Reservoir was begun last fall, and has been carried on vigorously the past season by the contractor, Mr. R. A. Malone. The major part of the excavation has been done, the enclosing embankments made, with core walls and concrete lining within the embankment placed, the gate chamber carried to the top of the embankment, and the pipes and valves within the chamber set. The partition wall dividing the Reservoir into two compartments has been carried to the required height ready for the coping. Much of the paving on the interior slopes of the southerly compartment of the Reservoir has been put on. The work can easily be completed the next season.

### Steel Pipe Line.

The contract for the manufacture of this pipe, leading from the Pumping Station at Fresh Pond to the Reservoir at Payson Park, to be used as a force or pumping main, and the pipe from the Reservoir to Massachusetts Avenue at the Cambridge Common to be used as a Supply Main, was awarded on January 28th, 1895, to Edward Kendall & Sons of this City. The work is now substantially completed. The total length of pipe is about 24,000 feet. It is 40″ in internal diameter, made of steel plates rolled into cylindrical shape and riveted together. The pipe is covered with a coating prepared especially for this purpose, into which the pipe is dipped, and then baked until the coating becomes hard. The plates for the larger part of the pipe are $\frac{5}{16}$ of an inch in thickness. Where the pipe crosses the Watertown Branch of the Fitchburg Railroad, and the cut near the end of Holworthy Street, special sections of




Gate Chamber at Payson Park Reservoir, showing Forty-inch Pipes, Gates, and Fittings. Walls unfinished.

Forty-inch Riveted Steel Pipe Line, crossing over Watertown Branch F. R. R.

Double line Forty-inch Riveted Steel Pipe; Curves near Payson Park Reservoir.

pipe were made $\frac{3}{8}$ of an inch in thickness. These sections rest on granite abutments at either end, between which the pipe is self-supporting.

A view of the special section over the Watertown branch of the Fitchburg Railroad is given in the accompanying cut.

The masonry abutments for the special sections were built by John Moyle, under a contract dated June 28th, 1895. Curves in the steel pipe were made by slightly cutting one side of the plates so as to give the requisite mitre, one of the resulting curves being illustrated in the cut accompanying.

The special castings required on the line were furnished by the Davis & Farnum Manufacturing Company under contract dated March 28th, 1895. The valves and fittings were furnished by the Coffin Valve Company under contract dated February 7th, 1895.

The testing of the metal for the pipe was done by the Pittsburgh Testing Laboratory, Limited, of Pittsburgh, Pa., under contract dated February 18, 1895.

### Hobbs Brook Storage Basin.

The work of stripping the upper part of the basin began last season, and was continued by day labor until April, 1895. On May 28, 1895, a contract was made with John H. Leavitt to complete this part of the work; after performing work amounting to $15,713.74, the work was abandoned by the Contractor and a new contract was made on Oct. 24, 1895, with Frank X. Saucier, to complete the contract. This Contractor is now carrying the work forward, and it is expected that this part of the basin will be ready for service the early part of the coming season.

A contract for constructing the upper or Lincoln Street dam and appurtenances was made with Messrs. Gennaro, Long & Little on June 1, 1895.

The larger part of the earth embankment and core wall has been built, with the overflow conduit and a portion of the gate chamber. This work will be completed with the opening of the spring.

Work on the main dam at Winter Street, under a contract dated April 11, 1895, made with the Standard Construction and Supply Company, has been carried on since that date. Under an agreement with the City of Waltham, a portion of Winter Street, so called, is abandoned, and is to be carried over the top of the dam and its connecting embankments.

These embankments are now substantially completed to subgrade. The base of the main dam has been prepared, and the core wall, a solid mass of concrete, 7 feet thick and about 750 feet in length, has been carried down to the solid ledge beneath, a depth, in some places, of 18 feet, below the original surface of the ground. The total length of the dam and connecting embankment is about 1,650 feet.

A large amount of work remains to be done in finishing the dam, and stripping the rest of the basin.

Tables and data concerning rainfall will be found appended,

**Table Showing Rainfall at Roberts Dam in Weston, Hobbs Brook in Waltham, and at the Fresh Pond Pumping Station (Cambridge Water Works), and Harvard Observatory, Cambridge, December 1, 1894, to December 1, 1895.**

| DAY OF MONTH. | 1894. DECEMBER. | | | | 1895. JANUARY. | | | | FEBRUARY. | | | | MARCH. | | | | APRIL. | | | | MAY. | | | | JUNE. | | | | JULY. | | | | AUGUST. | | | | SEPTEMBER. | | | | OCTOBER. | | | | 1895. NOVEMBER. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Roberts Dam. | Hobbs Brook. | Fresh Pond. | Harvard Obs. | R. D. | H. B. | F. P. | H. O. | R. D. | H. B. | F. P. | H. O. | R. D. | H. B. | F. P. | H. O. | R. D. | H. B. | F. P. | H. O. | R. D. | H. B. | F. P. | H. O. | R. D. | H. B. | F. P. | H. O. | R. D. | H. B. | F. P. | H. O. | R. D. | H. B. | F. P. | H. O. | R. D. | H. B. | F. P. | H. O. | R. D. | H. B. | F. P. | H. O. | R. D. | H. B. | F. P. | H. O. |
| 1 | .11 | | | .09 | | | | | | | | | | | .05 | | | T | | | | | | | | .03 | .14 | | .06 | | | .03 | | | | | | | | | | | 1.17 | | | 2.90 |
| 2 | | .75 | .45 | .11 | | | | | | .42 | .12 | T | .09 | .40 | .35 | .15 | | .29 | .36 | | | | | | .10 | | | .06 | | | | | | T | .02 | | | | | .59 | | | | | .46 | .49 | .56 | |
| 3 | .49 | | | .31 | | | | | .17 | | | .18 | .36 | | | .33 | .36 | .03 | .04 | .41 | | | | | | .20 | .17 | | | | | | .04 | | | | | | | | | | | | | | .51 |
| 4 | | | | | | .01 | | T | | .07 | .08 | .04 | .23 | .21 | .01 | | | | | | | .07 | .06 | | .12 | T | T | .15 | | .24 | .28 | | | | | | | | | | | | | | .02 | | |
| 5 | | | | | | | T | | .12 | | | .07 | | | | .09 | | | | | | T | | .12 | | .20 | .12 | | .30 | .18 | .10 | .23 | | | | | | | | T | | | | | | | |
| 6 | | | | | .25 | .51 | .40 | .05 | | | | | | .08 | .10 | | | | | | | | | T | .19 | | | .10 | .23 | .03 | .14 | .16 | | | | | | | | | | | | | | | |
| 7 | | | | | .31 | | .02 | .41 | | .20 | .85 | | .11 | .71 | .67 | .10 | | | | | | | | | | | | | .21 | | | .11 | | .97 | 2.20 | .01 | | | | | | | | | | | | |
| 8 | | | .42 | | | | .17 | .01 | 1.04 | .17 | | .91 | .85 | .06 | .07 | .75 | | .02 | .55 | T | | .02 | .03 | | | | | | | .08 | .11 | 1.72 | | | 1.88 | | | | | | .24 | .29 | T | | T | | | |
| 9 | .42 | .85 | .38 | .38 | .20 | | | .18 | | | .01 | | .11 | .02 | | | .56 | .68 | .37 | .88 | | | | | | | | | .10 | .65 | .90 | .11 | | | | | | .47 | .45 | | .29 | | | .25 | | .12 | .15 | |
| 10 | .42 | | | .36 | | 1.23 | 1.04 | | | | | T | | | | | .30 | .17 | | | | | | | | | | | .46 | | | .99 | | | | | .57 | | | .43 | | | | | .15 | T | | .14 |
| 11 | | .24 | .40 | T | 1.24 | | | 1.08 | | | | | | T | | | | | | | | .01 | | | | | | | | | | | | | .22 | | | 1.00 | .70 | | | .02 | | | | | | T |
| 12 | .49 | .11 | .44 | .55 | | | .06 | | | | | | | T | | | | | | | .08 | .81 | | | | | | | | | | .27 | .16 | .02 | .25 | .86 | | | .58 | | 3.20 | 2.57 | | | | | |
| 13 | .36 | | | .25 | .05 | | .03 | 0.6 | | | | | | | .78 | | | 2.63 | 1.12 | T | .90 | | 1.15 | | | 2.19 | | | | .66 | .57 | | | | T | | | | | 3.03 | 3.87 | 4.31 | 2.98 | | T | | |
| 14 | | | | | | | | | | | | | .76 | .78 | | .73 | 1.63 | | 1.17 | .96 | | .48 | | 1.00 | .15 | | | | .46 | .03 | .02 | .55 | | T | | | 3.78 | | | 3.77 | | 1.96 | | |
| 15 | | | | | | | | | | | | | | | .10 | | 1.16 | .03 | .06 | 1.04 | .44 | T | .50 | | | | | | .08 | | | | | | | | | | .03 | .07 | | 1.60 | .40 | 1.74 | |
| 16 | | | | | | .45 | .43 | T | | | | | | .06 | T | .13 | .04 | .02 | | | .06 | | .01 | .52 | | | | | | .04 | .06 | | | | | | | | | | .05 | | | .07 | .41 | T | .28 | 2.04 |
| 17 | | | | | .35 | | | .41 | | | | | | | | | | | | | | .10 | | | | | | | | | .06 | | | | | | | | | | | | .86 | | .11 |
| 18 | | | | | | .16 | .13 | | | | | | | | | | | | | | | .07 | .08 | | | | | | | | | 1.49 | 1.40 | 1.57 | 1.60 | | .06 | .09 | .06 | | | | .90 | | .79 | |
| 19 | | | | | .17 | | | .15 | | | | | | | | | | | | | .23 | | .15 | .19 | | | | | | | | | | .08 | | | T | | | | | | .13 | | .74 |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | T | .02 | | | | | | | | .24 | .38 | .67 | |
| 21 | | | | | .34 | .25 | .18 | .24 | T | | .01 | | | | T | | | | | | | T | .02 | | | .20 | | | | .16 | .23 | | | | T | | | | | | | | .43 | | .36 | .58 |
| 22 | | | | | | | .01 | | | .01 | | .03 | | T | | T | | .22 | .17 | | | | | | | | .01 | | .24 | | | .20 | | | | | | | | | | | .01 | | .32 |
| 23 | | | | | | | | | | | | | | | | | .20 | | | .09 | | | | | | | | | | | | | | | | | | | | | | | .18 | T | | |
| 24 | | .15 | .19 | | | | | | | | | | | | | | | | | | | | | | | .30 | .50 | | | | | | | T | | | | | | | | .15 | T | .15 | .01 |
| 25 | .27 | | | .20 | | | .35 | .95 | | | | | | .13 | .17 | T | | T | | | | .09 | .09 | | .45 | .03 | T | .50 | | | | | .15 | | | T | | .06 | .07 | | | | .17 | .03 | .16 |
| 26 | | 2.00 | 1.09 | | .42 | .65 | .63 | .15 | | | | | .06 | | | .09 | | .15 | .17 | | .07 | T | .02 | .07 | .07 | | | | | | | | | | | .20 | .10 | .24 | .05 | | | | | .21 | 1.47 | .11 | |
| 27 | 1.20 | .35 | 1.06 | 1.63 | .59 | | | | | | | | | | .26 | | .20 | T | .02 | .13 | .27 | .17 | .28 | T | | .60 | .53 | | | .14 | .06 | | | | | | .22 | | | .19 | | | .05 | | 1.50 | | 1.23 | .14 |
| 28 | .82 | | T | .43 | | | .07 | .13 | | | | | .27 | .17 | .08 | .25 | .03 | | | T | .02 | | | .08 | .70 | .72 | 1.13 | 1.26 | .14 | | | .03 | | .05 | .10 | | | | | .05 | .04 | | .03 | | | | 1.19 |
| 29 | | .02 | | .01 | | .13 | .05 | .03 | | | | | | .04 | .04 | | | .16 | .12 | | | | | | 1.72 | | | .64 | | | | | | T | .08 | | | .28 | | | | | | | | |
| 30 | | | | | .16 | | | | | | | | | | | .04 | .15 | | | .07 | | | | | .61 | .14 | .17 | .01 | 1.55 | 2.47 | .81 | | | | T | .43 | .50 | | .24 | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .88 | .66 | .45 | .56 | | | | | | 1.22 | 2.47 | 2.87 | | | | | |
| | 4.58 | 4.47 | 4.43 | 4.32 | 4.08 | 3.39 | 3.57 | 3.85 | 1.33 | .87 | 1.07 | 1.23 | 2.84 | 2.66 | 2.68 | 2.64 | 4.63 | 4.40 | 4.15 | 3.58 | 2.07 | 1.82 | 2.39 | 1.98 | 4.11 | 4.61 | 2.76 | 2.73 | 3.83 | 4.68 | 3.28 | 3.35 | 4.33 | 3.03 | 4.71 | 3.90 | 2.28 | 2.19 | 1.83 | 2.14 | 8.42 | 9.87 | 10.16 | 7.10 | 7.22 | 6.17 | 6.09 | 8.84 |

**Table showing Comparison by Months, of Number of Days in which Rain fell, and Total Precipitation at Roberts Dam, Hobbs Brook, Fresh Pond, and Harvard Observatory, December 1, 1894, to December 1, 1895.**

| | | 1894. | 1895. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dec. | Jan. | Feb. | Mar. | April. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Total. |
| Roberts Dam. | No. of days in which rain fell. | 9 | 11 | 3 | 9 | 10 | 8 | 9 | 11 | 6 | 5 | 6 | 11 | 98 |
| | Total Precipitation. | 4.58 | 4.08 | 1.33 | 2.84 | 4.63 | 2.07 | 4.11 | 3.83 | 4.33 | 2.28 | 8.42 | 7.22 | 49.72 |
| Hobbs Brook. | No. of days in which rain fell. | 8 | 8 | 5 | 11 | 11 | 9 | 10 | 11 | 5 | 6 | 7 | 11 | 102 |
| | Total Precipitation. | 4.47 | 3.39 | 0.87 | 2.66 | 4.40 | 1.82 | 4.61 | 4.68 | 3.03 | 2.19 | 9.87 | 6.17 | 48.16 |
| Fresh Pond. | No. of days in which rain fell. | 8 | 14 | 5 | 12 | 11 | 11 | 7 | 11 | 8 | 6 | 6 | 12 | 111 |
| | Total Precipitation. | 4.43 | 3.57 | 1.07 | 2.68 | 4.15 | 2.39 | 2.76 | 3.28 | 4.71 | 1.83 | 10.16 | 6.09 | 47.12 |
| Harvard Observatory. | No. of days in which rain fell. | 11 | 13 | 5 | 10 | 7 | 6 | 8 | 11 | 6 | 7 | 5 | 12 | 101 |
| | Total Precipitation. | 4.32 | 3.85 | 1.23 | 2.66 | 3.58 | 1.98 | 2.73 | 3.35 | 3.90 | 2.14 | 7.10 | 8.84 | 45.68 |

## Park Department.

The Engineering work of the past season done in connection with the Park Department may be roughly classified as follows : —

First. On the "River Front." Much work has been done in completing the surveys of the lands on the river, location of the Park line on the ground, and preparing plans on a large scale with special reference to settlements to be made for lands taken. Numerous soundings have also been made on the flats adjoining the Park lands, preparatory to the work of filling and completing the River Drive and Parkway.

Second. At the "Cambridge Field." A very large amount of time has been given to setting out the work of grading and finishing this Park. A sewer was constructed, connecting with the Cambridge Street sewer, and a complete system of water pipes laid for sprinkling and flooding purposes.

Third. At the "Broadway Square." This square has been entirely resurfaced and the location of paths, trees, etc., radically changed.

Fourth. "Rindge Field." A sewer connecting with the Railroad Street sewer has been constructed for surface drainage, and the grounds enclosed with a suitable fence.

Fifth. At "The Front." The most important engineering work of the year has been the construction of a sea wall enclosing on two sides the area to be known as "The Front." Owing to the unfavorable conditions, a somewhat expensive and novel foundation was adopted. The surface of the flats on which this wall is located, varied from an elevation at about mean low water to a grade of about 8 feet below mean low water. Below this surface lay a sheet of mud about 6 feet in thickness; the material below the mud was fine, compact sand, so that the bottom of the wall was, at some parts 14.0 feet above any material suitable to found a wall upon. The foundation thus became a very important and expensive

CITY OF CAMBRIDGE — PARK DEP'T.

Plan showing location of

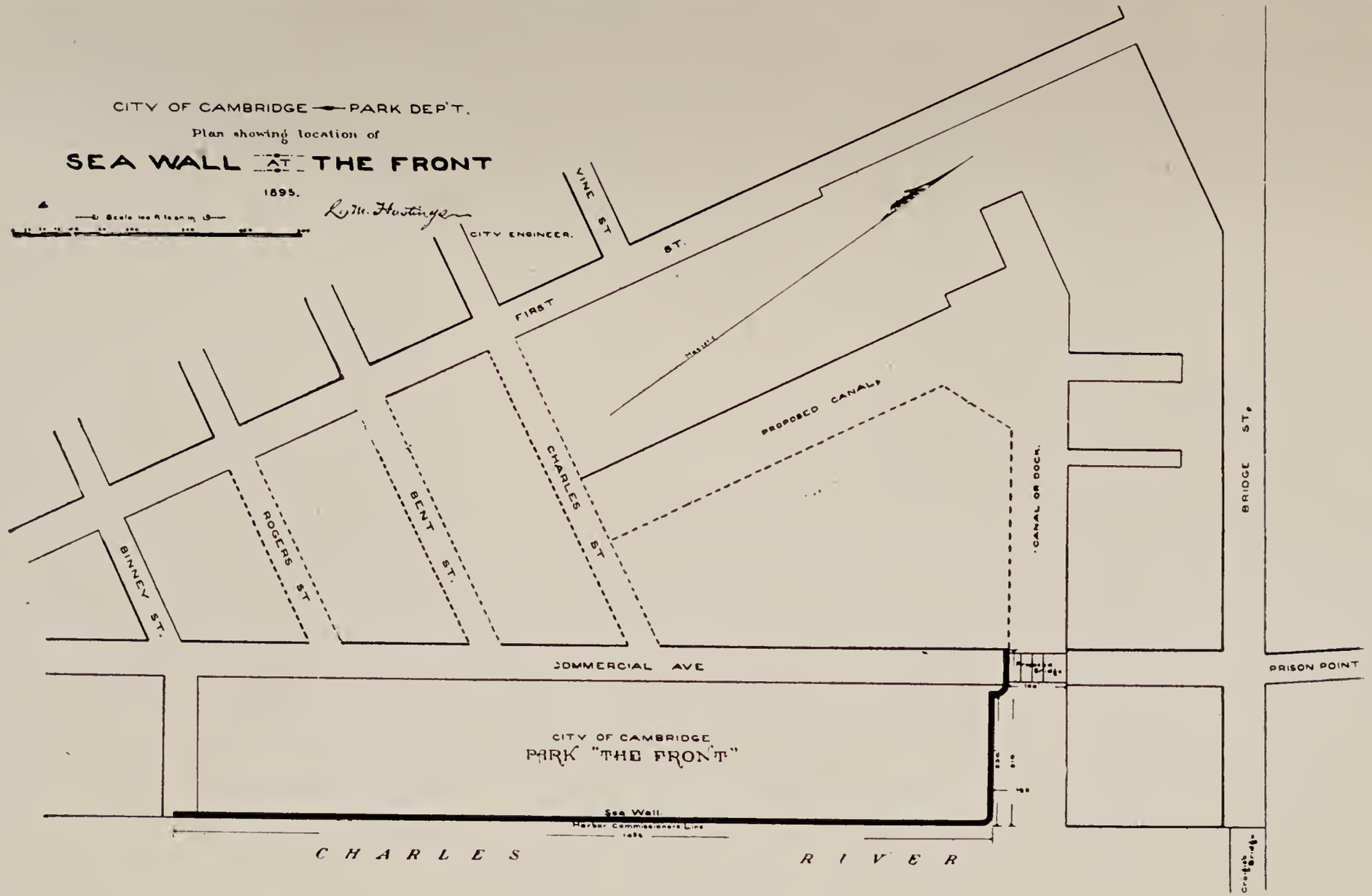
# SEA WALL AT THE FRONT

1895.

Scale 100 ft. to an inch

L. M. Hastings

CITY ENGINEER.



Building Sea Wall at "The Front."

part of the work. The construction adopted to meet this condition may be seen from an examination of the plate accompanying.

A continuous line of hard pine timber, 6″ in thickness, is driven near the front or toe of the wall, and strongly bolted to timber caps. This is to assist in carrying the weight of the wall and to retain the mud and filling material behind the wall in place. This is reinforced by a row of large inclined or spur piles at the front, to keep the wall from being forced forward into the river by the action of the filling behind. The rest of the wall is carried on three lines of piles spaced 2 feet 6 inches apart. The spaces between and around these piles are filled with clean, coarse gravel. Many of the spur piles are 45 feet in length. All are driven by powerful hammers to a firm and solid bearing. These piles are cut off at mean low water and covered with a heavy timber platform on which the wall itself rests.

The wall is of a high grade of rubble granite masonry, surmounted with heavy granite cap or coping. Behind the wall it is proposed to place, as the filling proceeds, stone or other ballast to prevent washing of the filling through the wall. It will also be best to place ballast in front of the foundation at the deeper portions to further increase its stability.

Where Commercial Avenue crosses the wall, the coping was omitted and provision made to receive the end of the bridge which is proposed to be constructed over the Dock or Canal at that point.

It was intended to construct the wall in a straight line on the Dock or Canal, making it 100 feet in width, but the Board of Harbor and Land Commissioners required a width between the enclosing walls of 125 feet. As it was necessary to enclose the work at the sewer in Commercial Avenue with the wall, the original line was kept at the crossing of the street, and the wall was brought back by a curve to meet the line required by the Harbor and Land Commissioners.

The total length of wall will be about 1,735 feet. The wall and foundations, now nearly completed, have been built by Thomas A. Rowe, under a contract dated May 8, 1895, at

a price of $29.19 per lineal foot of completed wall. This price does not include the cost of the gravel filling. On this contract there have been made to date payments amounting to $39,034.53.

Respectfully submitted,

L. M. HASTINGS,

*City Engineer.*

# REPORT OF THE BOARD OF CEMETERY COMMISSIONERS.

CAMBRIDGE, December 27th, 1895.

*To the Honorable the City Council:* —

The Board of Commissioners of the Cambridge Cemetery respectfully submits its forty-second annual report, the same being for the year ending Nov. 30, 1895.

| | |
|---|---|
| The amount appropriated at the beginning of the year was | $17,000 00 |
| The total amount of expenditures was | 16,999 40 |
| Balance of appropriation unexpended | $ 60 |

For a detailed account of expenses, reference is made to the City Auditor's Report.

The receipts of the year have been as follows: —

| | |
|---|---|
| Burial and tomb fees | $4,872 00 |
| Care of lots | 3,211 31 |
| Sale of lots and graves | 5,956 13 |
| Foundations, brick graves, etc. | 1,515 06 |
| Interest on Cemetery Fund | 1,199 32 |
| Sundries (including rent) | 634 74 |
| Total | $17,388 56 |
| The estimated revenue was | 17,000 00 |
| Excess of revenue over estimate | $388 56 |

It had been expected that the receipts from the various sources of income would be sufficient to meet the ordinary expenses of the Department, and an examination of the foregoing exhibit would indicate that the past season has not witnessed an exception to the customary rule, as the account for the year shows an excess of $389.16 of receipts over expenditures.

These figures, however, merely prove the intention of this Board to keep within the appropriation for the use of the Department, even if the amount appropriated is insufficient. In January last an appropriation of $18,000.00 was requested, and the Board was unable to commence new lines of work which had been in contemplation, because of the limited appropriation. For several years, the labor on avenues and paths has been confined within the bounds necessary to keep them in presentable condition, and the good appearance of the roadways, with the general aspect of the grounds, has been maintained at a comparatively low cost.

This Board had desired to thoroughly rebuild some of the roadways during the past year, but the small appropriation precluded the possibility of such a step. With the proposed opening for sale of the unused portion of the Cemetery grounds during the coming season, the accompanying grading and the building of avenues, an unusual expense will have to be met, and it is hoped that the amount estimated by the Board will be granted.

The receipts from the sale of lots and graves have not equalled anticipations.

The income from this source ($5,956.13) has been about $700.00 less than was received in 1894, and about the same as was received in 1891, which year netted the smallest amount for sales during any of the past eight years.

By special effort, however, the general income has slightly exceeded the estimate of the City Council.

As occasion demanded, the ground in the vicinity of the "Winchester House," so-called, has been opened for burial purposes, and during the coming season it will be necessary to dispose of the building in this territory, either by removal or tearing down. The probability of the disposal of the building so as to reap any financial return, at the present time appears so small that it would be unwise to anticipate any revenue from this source.

Early in the fall the City Engineer submitted a sketch of the unused part of the grounds with suggestions as to its

proper subdivision, so that the largest financial return would be realized without suffering a deterioration in the appearance of the Cemetery.

Believing that the best results would be attained by securing the opinion of experts, a consultation has been held with the firm of Messrs. Gray & Blaisdell, Landscape Architects.

It is the intention of this Board to lay out the remainder of the Cemetery grounds on the "Lawn" system, which is coming so much in use in cemeteries. This will result in a large saving in land not usually available for cemetery uses, as no paths connecting avenues will be required.

This method of laying out the grounds would appear to be in consonance with the best current ideas on cemetery landscape, and will place many more lots at the command of the Board for the purposes of sale.

On the completion of the plans which are now being prepared, this Board will be in a position to place a fairly correct estimate on the time which will elapse before the further extension of the Cemetery or the securing of a new location shall be necessary.

If it were possible to do so, it would seem good policy for the City Council to consider the expediency of enlarging the present tract of territory so that the whole ground would be considered on a general plan instead of being laid out in small parcels, as has been the custom hitherto.

A very large number of old lots and graves, many of which have been sadly neglected during the preceding years, have been cared for during the past season. For some unaccountable reason, lot owners and heirs to lots who have had no apparent interest in the appearance of family burial places, have arranged with the Superintendent for the annual care, and, in some instances, arrangements have been perfected for placing lots in perpetual care, thus adding much to the appearance of the grounds, and evincing a commendable interest in the last resting places of those who have departed.

Much credit is due the Superintendent for this condition of affairs, as he has by personal entreaty and solicitation induced

many proprietors to perform what would appear to be a duty, which is too often forgotten.

Public sentiment has no sympathy with a filial attachment which ends with the grave. Efforts will be continued in this direction in the hope that all the lots remaining uncared for may receive proper attention.

The Superintendent in his report to this Board presents statistics which show the amount and purpose of the labor employed, and from this report are culled the following items, which, for comparison, are submitted with the results for the season of 1894.

| | 1894 | 1895 |
|---|---|---|
| Number of lots prepared | 50 | 79 |
| Estimated value of same | $14,402 32 | $16,688 85 |
| Number of lots ready for sale | 180 | 164 |
| Estimated value of same | $51,599 62 | $52,831 72 |
| Number of single graves ready for sale | 42 | 111 |
| Estimated value of same | $840 00 | $2,220 00 |
| Number of interments | 664 | 656 |
| Number of removals to other cemeteries | 15 | 18 |
| Number of interments in cemetery (total) | 19,685 | 20,323 |
| Number of burials (Overseers of Poor) | 71 | 49 |

### Perpetual Care of Lots.

The number of lots placed in perpetual care during the past year equalled the yearly average, and lot owners appear to think well of this method of caring for lots and graves.

The following items on the perpetual care of lots are submitted: —

| | |
|---|---|
| Number of lots placed under perpetual care in 1895 | 17 |
| Number of lots placed under perpetual care (total) | 254 |
| Received for perpetual care in 1895 | $1,963 25 |
| Amount of fund for perpetual care of lots | $33,657 39 |
| Interest accumulations from invested funds | $1,199 32 |

### Ward One Burial Ground.

There has been no interment in this burial place during the past year, and the only expense, except for incidental purposes, as grass-cutting, gardening, etc., has been for the painting of the fence.

The amount expended was $138.50.

Many of the old stones are fast approaching a condition of complete decay, and despite the exercise of the strictest care on the part of the Superintendent, and the use of such expedients as his experience warrants, there is still a gradual crumbling of these old marks, and, doubtless, the existence of many of them is of few years' duration.

That some steps be taken to preserve the old epitaphs, and some record secured of the persons whose remains have been interred in this ground, this Board deems it advisable to authorize the examination and collection of the inscriptions on the stones and tombs, and any available records, with a view to gradually procuring the items for an authentic history of the burial place and its inmates.

The importance of securing any information on this matter, considered from the point of local pride only, must be manifest.

Indissolubly connected with the industrial, civil, and literary history of Cambridge, and the "New Towne," as were many of those whose ashes rest within this soil, it appears eminently fitting that any information which may be gleaned from a record of these old epitaphs, should be gathered and put in convenient form for perusal.

In 1845, Mr. John Owen published a volume of "Epitaphs from the old Burying Ground in Cambridge," compiled by William T. Harris, Sophister in Harvard College, and the cause which impelled the collection and publication of these epitaphs exists more strongly now than then, and the Board of Commissioners will arrange for a suitable compilation of all available records and epitaphs if the estimated expense shall be included in the appropriation.

Much doubt has existed for many years on the true bounds of this Burial Ground, and as the surrounding property is being improved, it seems desirable that an accurate and thorough survey of the Grounds, and other examination, should be made to discover its true extent and proportion.

For this purpose it will be necessary to request a special appropriation.

### Soldiers' and Sailors' Lots.

In its last report, this Board announced the location of a new additional Soldiers' and Sailors' Lot near the entrance of the Cemetery, and suggested the intention of the Board to ornament and beautify the surrounding open spaces. The following extract from the report is given, so that the City Council and all interested persons may decide whether or not the propositions of the Board have been fulfilled.

"In this lot small areas have been left for ornamental purposes, and it is the intention of this Board to use for ornamentation the open spot between the westerly line of the new lot and Coolidge Avenue.

"The ladies connected with the several Woman's Relief Corps in Cambridge, have signified their intention to place in this new lot a beautiful vase, which will be commemorative of the patriotism and valor of the heroic dead.

"With the completion of the necessary grading, and the laying out of the proposed new paths, — with the erection of the ornamental vase herein mentioned, — with the cultivation of the plants and shrubbery in the vicinity, as contemplated by this Board, — the new lot will be eminently fitting for the honorable burial of those soldiers and sailors of the late Civil War 'who may die within the limits of the City of Cambridge, and for whose interment their relatives may be unable to provide proper means, or who, having no relatives, do not leave sufficient property to pay for suitable burial.'"

During the past year, the lot has been graded, new sod has been laid, and wide avenues prepared. The open space between the westerly line of the lot and Coolidge Avenue has been planted with spruce, pine, and ornamental shrubbery. Beds have been opened for the cultivation of blooming plants, the water supply has been extended to the border of the reservation, and no expense or care has been spared to render this plot a most beautiful section of the grounds. In the space there is room for 220 burials.

The Board has been advised that the ladies of the Woman's Relief Corps are ready to place the ornamental vase in position so that the formal dedication may be held on Patriots' Day next.

On Nov. 25 last, occurred the first burial in the new lot, when all that was mortal of Spencer Williams was laid away.

The amount expended in construction was $356.95.

In connection with this new lot, the Board is considering the advisability of discontinuing the style of headstone at present used in the lot on Prospect Avenue, as being too cumbrous and ill adapted to withstand the severe climatic changes of this region. The stone which is supplied by the Government would seem to meet all requirements were it composed of a different material than marble. Experience has shown that marble is unsuitable for burial markers in a New England climate, on account of its short life and the great difficulty in properly caring for it, and a granite marker, in proportion similar to the Government stone herein mentioned, would be preferable.

When the Board finally decides this matter, it will have had the best judgment obtainable, so that a marker, durable and suited to the existing conditions, will be secured.

In the old Soldiers' lot on Prospect Avenue, there have been 11 burials, the last remaining grave being used on Nov. 8.

The total number of interments is 124.

No complaint has been heard of neglect or lack of taste in the appearance of this lot, and the expense of maintenance has been $337.00, as follows:

| | |
|---|---|
| Expended for headstones | $206 50 |
| Foundations | 31 50 |
| Care and repairs | 99 00 |
| | $337 00 |

In closing this report, the following suggestions are made of unusual work which should receive attention.

1. The laying out of the unused portion of the Cemetery. This will necessitate the securing of expert authority, the removal of the "Winchester House," the survey of the grounds, with accompanying grading, filling, and incidental expenses, and for this an appropriation of $2,000.00 should be provided.

2. The preparation of a suitable map of the Cemetery and sub-divisions, for which an appropriation of $300.00 will be necessary.

3. The rebuilding of old roadways and the construction of several new ones, which will probably cost about $100.00.

4. The rebuilding or repairing of the fence on the line of the Mt. Auburn property, at an expense of $100.00.

5. The procuring of a card index for the proper classification of burials. This will cost about $50.00.

6. The procuring of a safe for the additional Cemetery records and documents.

At present, many of the records, which are valuable in the performance of the work at the Cemetery, are stored in the house of the Superintendent, which is an unsafe and unsuitable place for such a purpose, or in the vault of the City Clerk, at the City Hall, which is inconvenient for reference. This safe will probably cost about $125.00.

It might not be amiss to say that the Board has attempted to consider matters in connection with the Cemetery in the broadest view compatible with true conservatism. Any innovation which would tend to increase the efficient performance of Cemetery duties or render the Cemetery more attractive and beautiful, has received courteous consideration, and no effort has been spared to employ those resources, the worth of which has been proven by experience.

Respectfully submitted,

GEO. S. SAUNDERS,
NATHAN C. LOMBARD,
CHAS. O. WELCH,
WM. A. BERTSCH,
HERBERT A. CHASE,
JOHN H. H. McNAMEE,

*Board of Commissioners of Cambridge Cemetery.*

# REPORT OF THE BOARD OF HEALTH.

In compliance with the public statutes creating Boards of Health and defining their duties, we have the honor to make our annual report for the year ending December 31, 1895.

We respectfully call the attention of your honorable body to the following list of complaints and nuisances investigated during the year: —

| | |
|---|---|
| Full, overflowing, and offensive privy vaults | 108 |
| Open, defective and leaky privy vaults | 5 |
| Filthy and defective privy-houses | 7 |
| Offensive and defective water-closets | 59 |
| Swill and garbage thrown into privy vaults | 2 |
| Full and defective cesspools and catch basins | 3 |
| Defective drainage, open and broken drains | 87 |
| No traps under sinks | 82 |
| Leaky and defective traps | 11 |
| Filthy yards | 205 |
| Swill, garbage, ashes, etc., in cellars and sheds | 9 |
| Filthy stables and cow-sheds | 5 |
| Manure in yards and on lots | 97 |
| Wet and damp cellars | 14 |
| Stagnant water on premises | 10 |
| Dead animals on premises | 3 |
| Filthy buildings | 6 |
| Filthy cellars | 21 |
| Miscellaneous | 218 |
| Total | 952 |

| | |
|---|---|
| Number of inspections made | 2,313 |
| Number of subsequent inspections | 4,569 |
| Total | 6,882 |

| | |
|---|---|
| Number of notices issued and recorded | 374 |
| Number of special notices issued | 56 |
| Orders of the Board served by constable | 3 |
| Rooms fumigated | 776 |
| Privy vaults abated | 168 |

## Hospital.

The marked increase in the prevalence of diphtheria during the latter months of the year just closed, which affected Cambridge in common with other places in the State, brings up prominently the problem of the best method of dealing with an outbreak of a communicable disease dangerous to the public health. This is a problem second in importance to none which come before a Board of Health for consideration. The present Board of Health and preceding ones have given much attention to this subject and expressed their opinion in the reports of former years.

"When Boards of Health have isolation-hospitals at their disposal they may be able to take more effectual measures for the control of contagious diseases." Report of the Board of Health for 1889.

"The statement has been made in some quarters that isolation can be satisfactorily carried out at the patient's home. While not denying the possibility of such a result in some cases, the experience of this Board has led it to believe that isolation so systematically carried out as to make it a measure worthy of confidence, is in the majority of homes an impossibility.

"The diseases at present mainly to be dealt with are diphtheria and scarlet fever; the former an affection exceedingly communicable, very fatal and extremely difficult to limit with the means now at our disposal; the latter also a very communicable disease, at times exceedingly fatal, and often, even in the lightest cases, leaving effects that impair health and usefulness for life. A hospital for the reception of persons affected with such diseases is a pressing need in a city the size of Cambridge." Report of the Board of Health for 1890.

"Notification of communicable diseases, unsupplemented by means for their isolation, is a limping measure, and isolation worthy of confidence elsewhere than in a special hospital is in many cases an impossibility. This subject, the limitation of communicable diseases, appears to us to be of such great importance that we must again express our opinion that, so far

at any rate as diphtheria and scarlet fever are concerned, *isolation is the measure* that promises the best result. But if this isolation is to be anything more than a farce, it must in a great proportion of the cases occurring in our cities be carried out in a special isolation hospital." Report of the Board of Health for 1891.

"The State Board of Health, in its circular on cholera, has advised that 'the local Board of Health should provide a hospital where all cases which cannot be properly isolated at home should be cared for. The hospital should be provided with a furnace or crematory, removed from other buildings, where the excreta from patients, and old clothing, may be burned, and a room should also be provided where bedding from the hospital and from other places can be exposed to prolonged heat at a temperature of at least 212 F.'" Report of the Board of Health for 1892.

"Any plan calculated to control effectively the spread of such diseases as scarlet fever and diphtheria must include the following measures:

"(1) ISOLATION.—Hospital accommodation will be required for those cases which cannot be properly isolated at home." Report of the Board of Health for 1893.

"And in closing this Report, we wish to state our conviction that no attempts at controlling diseases dangerous to the public health will ever be really effectual, nor will the citizens of Cambridge ever be afforded the protection from such diseases to which they are entitled, until the Board of Health has placed at its disposal ample hospital accommodation for the isolation of such cases as cannot be properly cared for at home, and until a plant for the disinfection of infected articles is provided, and means are supplied for carrying out bacteriological examinations in obscure cases of disease." Report of Board of Health for 1894.

These extracts show the importance attached by successive Boards of Health to the use of hospitals for checking the spread of communicable diseases. After the passage by the Legislature on June 25, 1894, of Chap. 511 of the Acts of

1894, requiring the City Council to order the provision of suitable hospital accommodations for the care and treatment of persons suffering from contagious diseases, this Board, on July 21, 1894, addressed a communication to the Mayor of this City, calling his attention to the need of such a hospital in this City, and stating "that in its opinion, the safety of the inhabitants of this City demands that suitable hospital accommodations should be provided for the reception and treatment of persons suffering from such diseases."

A copy of this communication is found in our Report for last year.

Although the Legislature early in the past year authorized this City to take land for the erection of the hospital for contagious deseases, no land has yet been taken or acquired for this purpose, and the hope, expressed in our last report, that "next fall (*i.e.*, that of 1895) may see the construction of such a building well under way," has not been realized.

We know that there has been delay occasioned by the suggestion that the municipalities of Somerville and Arlington should unite with Cambridge in erecting such hospital for the common use of the three.

This plan has many advantages, and undoubtedly would be better for each of the three than would the erection of separate hospitals. It must not be forgotten, however, that the principal advantage for Cambridge in such an arrangement is the opportunity to secure a less expensive site for such hospital than she would be obliged to take if confined within a line of 100 rods within her boundaries (P. S., Ch. 80, Sec. 72), and that this same advantage may possibly be attained by securing the assent of Somerville and Arlington to the location of a Cambridge hospital within the district now prohibited, such consent being given in the expectation that such hospital might grow into one for the joint use of the three.

We hope that conferences may be had with Somerville and Arlington looking to the establishment of a joint hospital, and failing that, to securing their consent to the erection by Cambridge of a hospital within that prohibited district, and that

the present year may not pass without a beginning on the erection of this needed building. No better act could mark the fiftieth year of our city's life than the laying of the corner stone of such a structure.

In the year 1894 the prevalence of scarlet fever in Cambridge was greater than in any year since notification of diseases dangerous to the public health was made obligatory, and in the present year the same has been true of diphtheria.

Had there been during these years a suitable hospital for the reception of cases of these diseases at the disposal of the Board, many cases might have been prevented and lives have been saved.

In the absence of such a hospital it has been the duty of this Board (P. S., Ch. 80, Sec. 40), in view of the great prevalence of diphtheria in the City, to utilize as far as possible the small ward in the Cambridge Hospital for the reception of cases of this disease. They have also been compelled to use for a short time the Cottage Hospital on the Almshouse grounds.

While the accommodations afforded by these hospitals have not been adequate to the needs of the City, they have yet been of very great value in enabling us to check the spread of this disease. In these two hospitals combined, 62 cases of diphtheria have been cared for this year at the public expense. Of this number 9 died. The Cambridge Hospital also treated 9 private cases, among which there were no deaths. The fatality among the hospital cases was therefore 9 out of 71, or 12.7%. Of these fatal cases it should be said that three were practically past hope when they reached the hospital, and expired shortly after reaching it. If those are not included, the mortality of the hospital cases would be but 6 out of 68, a fatality of 9 %. Of cases treated at home there were of membranous croup and diphtheria during the past year 527, of which 96 died, a fatality of 18 %.* Such figures are more

* At the Waltham Hospital 55 cases of diphtheria were treated in 1895, and among these there was only one death, a fatality of 1.8 %, and this death is stated to have been caused by pneumonia after the diphtheritic symptoms had disappeared.

eloquent than words, and demonstrate, as nothing else can, the efficacy of hospital treatment for this disease.

While the main object of our work in this connection has been the prevention of the spread of this disease, and while the removal of the infected persons to a hospital is primarily done to prevent such spread, it is with no small degree of satisfaction that we consider, as we must on these figures, that such removal has also had for its result the saving of life among those so removed.

### Disinfection.

Since the Board has been provided with vans for carrying articles to and from the disinfecting plant, they have been in constant use, and during the period from May 1st to December 31st, 1895, have taken clothing, bedding and other articles from 278 houses to be disinfected. This process has been a most valuable addition to the resources of the Board in its efforts to control the spread of communicable diseases. The disinfection of the room in which the sick person was is a more difficult matter. In some places, as Boston, for instance, there are a number of men employed whose sole duty it is to wash the room, furniture, etc., after the occurrence of cases of certain diseases, as scarlet fever and diphtheria.

Many disinfectants which may be employed should only be entrusted to men skilled in their use. Strict cleanliness, however, has great protective power, and soap and water are safe in the hands of the householder. Potash soap, besides its cleansing properties, has also a disinfecting action, and walls and furniture can be wiped with damp cloths and adhering particles thereby removed, and burned together with the cloths employed.

We are endeavoring to so train certain of our employees that this work of house disinfection may be intelligently and effectively done by them and under their direction, they being authorized to require the co-operation of the householders for such matters as can and should be done by the latter.

### Bacterial Examination.

The value of bacterial examinations is too well established to be questioned, and in our opinion they will prove even more valuable in the future. By the aid of such examinations many cases are now known to be diphtheria, and are so reported, which, before this method was introduced, would have been regarded as simple sore throats or tonsillitis, and so have escaped notification altogether.

The value of this is incalculable, as it enables us to discover and require the isolation of those cases which, though not known to be so, were formerly the most dangerous to the community, viz., cases actually contagious, but in which, through ignorance of this fact, no preventive measures were taken.

Furthermore, the examination made after recovery affords the only decisive test now known of the time when the infected person ceases to be capable of communicating the disease.

We are therefore most clearly of opinion that the protection of the public health demands that this work, begun by this Board during the past year, should be unremittingly carried on.

### Schools.

No portion of the work of a Board of Health in a city like ours is more important than that which relates to the prevention of the spread of contagious diseases among the school children, and while, thanks to the provision made therefor by the City Council, we have been enabled to accomplish much in this direction which had heretofore been left undone, much yet remains to be done in order that the school children may not, as they undoubtedly have been heretofore, be exposed to preventable contagion.

What has thus far been accomplished is to prevent the return to the public schools of children who have had such disease, while they are yet capable of transmitting it, and to prevent the attendance on such schools of children from families wherein cases of such disease exist. This has been of the utmost importance; but there yet remain the following measures to be adopted before it can be said that the city has reasonably done its duty in the premises:

1. The extension of the present system to the private and parochial schools of this city.

2. Establishing a system of school inspection by physicians appointed by this Board, with a view of detecting cases of actual disease among the children present in school, and their prompt elimination.

3. Much greater attention than has heretofore been paid to the matter of cleansing of the school rooms and school houses.

We have already succeeded in partially extending this system to the parochial schools, *i.e.*, notification of contagious diseases affecting the attendance of their scholars is now sent to those in charge of such schools.

There remains to extend the system to the private schools, and to arrange that both in private and parochial schools the return to school of the child who is excluded therefrom on account of having had a contagious disease, or having been exposed to contagion, be determined, as is the case in the public schools, solely by the certificate of our Medical Inspectors. We hope to arrange for this during the coming year.

With reference to the second of the above-mentioned measures, viz. : inspection of the children in school by physicians appointed for that purpose, it may be said, to avoid misunderstanding, that the physician addresses himself solely to the teacher, and examines only those children whom the teacher may indicate as having complained of illness, or who appear to the teacher to be suffering.

This method has resulted in Boston in the discovery during 1895 of the following cases of contagious diseases among children actually present in the schoolrooms, viz. : —

| | |
|---|---|
| Diphtheria | 70 |
| Scarlet Fever | 26 |
| Measles | 110 |
| Whooping Cough | 28 |
| Mumps | 43 |
| Pediculosis | 66 |
| Scabies | 42 |
| Congenital Syphilis | 8 |
| Chicken Pox | 44 |
| Total | 437 |

The last measure, viz., more frequent cleansing of the schoolrooms and schoolhouses, is very probably the most important of all.

It will doubtless surprise many, as it did us, to learn that our schoolrooms are washed but once a year. They should be washed at least once a week, and the desks, chairs and other furniture thoroughly wiped down with damp cloths at least as often. The presence of the children in school is not optional with them or their parents, but is made compulsory by law. This makes doubly imperative the duty of the City to see that such children are not therein exposed to preventable contagion.

We most earnestly urge the immediate attention of the City Council to this matter and the making of due provision for medical inspection of the children in school, and for more frequent cleansing of the schoolrooms.

### Stables.

Early in the year 1895 the Legislature passed the following Act, applicable to this City among others, and which is here inserted at length for convenience in reference.

Acts 1895, Chap. 213. An Act Relative to the Licensing and Regulating of Stables in Cities. BE IT ENACTED, etc., AS FOLLOWS:

SECTION 1. No person shall hereafter erect, occupy or use for a stable any building in any city whose population exceeds fifty thousand, unless first licensed so to do by the board of health of said city, and in such case only to the extent so licensed.

SECTION 2. The foregoing provision shall not be construed to prevent any such occupation and use which may be authorized by law at the time of the passage of this act, to the extent and by the person or persons so authorized; PROVIDED, HOWEVER, that the board of health of any such city may make such regulations or orders respecting the drainage, ventilation, number of animals, and the storage and handling of manure, in any existing stables in their respective cities as in their judgment the public health requires.

SECTION 3. Whoever violates the provisions of this Act or of any regulation or order made pursuant thereto, shall be punished by a fine of five dollars for each day such offence continues; and any court having equity jurisdiction may restrain any such erection, occupation or use contrary to the provisions of this act. (Approved April 4, 1895.)

Before the passage of this Act no permit from the Board of Health was required for the erection or occupancy of stables containing less than five horses, and the result was that many of such stables were a far greater nuisance than those of much more capacity. Under the powers conferred by Section 2 of this Act, this Board has been enabled to abate unsanitary conditions of long standing which can be effectively dealt with only under such powers. The work of the Board has been much increased by this Act, and the result of the work will insure a much better condition of affairs than has formerly existed in this City. Since this Act has been in force, the Board has been enabled to extend to all new stables the requirements it had previously been able to enforce only for those for more than four horses, viz. : that they should have sufficient air space for the animals to be contained therein; that the ventilation should be adequate; that the floors should be so constructed as to prevent the pollution of the ground under the stable with urine or other offensive matter; that there should be ample drainage, and that the manure pit should be of sufficient capacity and properly constructed of the right materials; and is gradually bringing those existing stables, which have justly afforded the greater cause for complaint, to approach this standard.

It is the opinion of this Board that the Legislature, in requiring a license from the Board of Health in order to legalize the erection or occupancy of any stable, did not intend to limit Boards of Health to the consideration of the single question, whether or not the proposed stable was to be properly constructed, but that such Board should also pass upon the larger question of whether or not it was for the public interest that a stable of the kind asked for should be erected or occupied in the proposed locality; and the practice in other municipalities confirms the correctness of this opinion.

This Board has therefore endeavored, so far as possible, to exclude business stables from localities especially adapted for purely residential purposes, and to confine such stables to localities already devoted to such use, or wherein their

presence was not likely to affect adversely the peace and comfort of the neighborhood, or the values of property, to so great an extent; and we believe that due consideration of the interests of the City requires that this policy be pursued so far as practicable.

### Privy Vaults.

Since the passage in 1891 of the Act empowering Boards of Health to forbid the continuance of privy vaults upon premises situated on a street wherein was a public sewer, or upon premises connected with a public or private sewer, there have been abolished in this city over two thousand such privy vaults. There still remain a large number of vaults upon premises on unsewered streets, the continuance of which vaults will be forbidden by this Board as soon as sewers are constructed in these streets. We need not dwell on the great benefit which this abolition has been to those sections of the City in which such vaults were once so plentiful, nor upon the great improvement resulting therefrom in those conditions which render life endurable.

### Clay Pits.

At the request of the City Council this Board early in the past year considered the question of the future treatment of the clay lands and clay pits in the vicinity of Fresh Pond. For convenience of reference, a copy of that report is hereto appended (Appendix A). The matter is now before the City Council, and has been made the subject of a report by a committee of that body.

We earnestly hope that the recommendations of that report may receive favorable action at an early date, believing that, while they fall short of the comprehensive scheme we would like to see adopted, they are yet a decided step forward, and one the necessity for which is daily becoming more apparent and imperative.

We strongly recommend, further, that steps be at once taken to secure the report of experts as to the plan to be adopted for the draining and reclamation of the swamp lands near Fresh Pond.

We believe this draining and reclamation to be demanded both for the health and also for the other only less important needs of the City.

Such a report was contemplated by the Board (see closing paragraph of its report), but was not made on account of the absence of an appropriation to enable the work to be done.

### Broad Canal.

The matter of intercepting the house and factory drainage now entering this canal has been so long deferred that we hope this year may not pass without proper provision being made therefor.

The following sewers should be constructed as early as possible this coming spring, viz.: in Potter and Sixth Streets, in Third Street northerly, so that Chas. E. Seavey and Cambridge Gas Light Co. could connect with it; new sewer in Third Street, southerly to Broadway from where the property of Mabel S. Brown is connected with the present one.

When this is done, this Board can compel those now draining into this canal to connect their premises with these sewers, and thus the greater part of the offensive matter now entering this canal will be intercepted, and the canal can then and should be dredged.

### Muller's Brook.

The pressing need for the construction of a sewer in this locality is set forth at length in our report for last year.

The Metropolitan Sewer in that vicinity is already in operation, and we trust that the present year may not pass without witnessing the construction of this sewer.

### Bird's Pond.

We renew our recommendations of last year as to the draining of this territory and the construction of a sewer to that end.

A report on Vital Statistics by the Medical Inspector is appended.

E. E. SPENCER,
EDMUND. M. PARKER,
CHARLES HARRIS,
} *Board of Health.*

# APPENDIX A.

## Report on Clay Pits.

OFFICE OF BOARD OF HEALTH,
January 26th, 1896.

*To the Honorable the City Council of the City of Cambridge:* —

GENTLEMEN: — Referring to the recent order of your Honorable Body, whereby this Board was requested to report to you at its earliest convenience what further powers, if any, should be vested in it to enable it to deal with the matter of the treatment of the clay pits and clay lands in this city, and what legislation, if any, should be secured by the city to this end, we have the honor to report as follows: —

There is no question in the minds of the members of this Board that the present condition of these clay pits and lands is a serious injury to the public health.

The increase in malarial affections which, while centering and finding their greatest activity in the immediate vicinity of these pits, are yet spreading over the city, is to us sufficient evidence of this, and there are further considerations which point to the same conclusion.

We are, therefore, well satisfied that the problem is one demanding immediate and effective action for the correction of this state of affairs.

It is evident that for a full solution of the problem presented by the present and prospective condition of these clay pits and clay lands two distinct classes of measures should be adopted: First, those of cure; second, those of prevention. The first are necessary to enable us to deal with and abate the nuisances now existing in this territory, and to change the present conditions, which are the probable cause of disease, to wholesome ones; and the second class, to prevent the creation of new and additional nuisances, and of conditions which will, in all probability, be detrimental to the public health.

Neither class of measures is complete without the other, and while the necessity for the immediate adoption of measures of the first class is too evident, in our opinion, to require further argument in

its support, the desirability of preventing, so far as is possible, the creation of nuisances which, so soon as created, we should be compelled to abate, is none the less clear.

That the general power to abate nuisances which is now vested in boards of health is inadequate for the proper solution of problems of the class of the one presented by our clay pits, is now well recognized. The qualifications which the decisions of the court have read into that law, to the effect that the power to compel the abatement of a nuisance does not carry with it the power to prescribe the specific manner in which that nuisance should be abated, is largely the cause of this inadequacy; and in the light of these preliminary statements as to the necessity of dealing with the existing evil, and the inadequacy of our present powers in this respect, we submit that in our opinion the following additional powers should be vested by legislative enactment in this board, to enable it to deal with this problem :—

First: The power to compel the owners of lands in this city not immediately abutting on Charles or Miller's rivers to fill the same to such grade, not exceeding that of the nearest accepted streets, and with such material as may be prescribed by this Board, substantially as follows, viz.:

That whenever the Board of Health of this city shall adjudge that the public health requires and shall order that any lands in this city, not immediately abutting on Charles or Miller's rivers, shall be filled to the grade specified in the order of the Board, not exceeding, however, that of the nearest accepted street of the city, the owners of such land shall forthwith fill the same in accordance with said order, and in a manner and with material satisfactory to said Board.

This, with slight changes to adapt it to the needs of our city, is in substance the power already conferred upon the Boston Board of Health by Chapter 342 of the Acts of 1893, and we see no reason why a similar power should be denied to this city.

But, to avoid misapprehension, we desire to add that it is not in our contemplation that the problem should be solved by ordering the owners of all the existing clay pits to fill them to street grade. Such a course would not, as we view the matter at present, be reasonable or desirable in many cases. There are, however, certain instances in which the proper remedy for the existing nuisance is by filling; and feeling that such power is as essential to the proper protection of the health and welfare of this city, as it is to that of the

city of Boston, we recommend that it should be vested in this Board.

Second: The power to compel the owners of any lands in this city, which are wet or whereon is any stagnant water, to drain such lands in the manner specified in the order of the Board:

This is but a corollary of the preceding power, and it but casts upon the land owner, where properly it belongs, the duty of seeing that his lands are dry and wholesome. Its exercise will, we hope, enable us to adopt a general system for the drainage of certain portions of this territory to render them wholesome, at much less expense to the owner than would be possible were the other alternative, of filling, to be adopted.

The two powers so far specified, viz., those authorizing us to compel filling or draining of these lands, are of the first class, viz.: of cure. The two about to be mentioned are of the second class.

Third: The power to prohibit the owners of any lands in this city, who are not now engaged in the business of brick-making, from excavating their lands below the grade of the nearest accepted street, if, in the opinion of the Board, the public health requires such prohibition; or to permit such excavations only under and in accordance with such conditions as may be prescribed by the Board.

Fourth: A similar power concerning the lands of those now actually engaged in the business of brick-making.

These two last-named powers are those of prevention, and we deem them essential to the proper solution of this problem. This has already been recognized in other municipalities which have imposed similar restrictions. We have stated the two separately, to distinguish the exercise of the power concerning the lands of those now engaged in the business of brick-making, and the lands of those not so engaged, because a question of compensation may arise in this connection, which may be viewed differently in these two classes.

We are satisfied that the Legislature has power to authorize the city or this Board to impose such restrictions in both the cases without any compensation whatever to the land owner. The question whether or not any compensation should be given in either of these cases will, however, be open for consideration when the matter is brought before the Legislature.

Believing, as we do, that the imposition of such restriction upon the lands of those not now engaged in brick-making would, so far from being a pecuniary injury to them, actually enhance the value of their land, we see no reason for any provision for compensation in their case.

The situation of those engaged in the business of brick-making differs from that of those who are not so engaged only in this respect: that the former may have made a certain investment in plant, machinery, etc., in the hope of being permitted to continue this business without interference.

Even were we to concede that such investment, made on such hope, gives them any grounds whatever for claiming compensation, the maximum compensation which should be awarded to them for the total restriction of their lands not yet excavated, would be such fraction of the present value of their plant, etc., as is represented by the proportions between the area of their unexcavated lands and that of the whole area owned by them. Whether or not any compensation at all should be paid them would be a matter for the decision of your Honorable Body and of the Legislature. We have stated what, in our views, should be the maximum limit of the compensation, and which would, in our opinion, fall far short of the sum required to purchase even but a small portion of these lands.

In specifying the foregoing powers we are not, in our opinion, asking for powers in excess of those which we believe should be vested in the Board of Health, not only of this city, but of every city of its size in the Commonwealth, and recognizing that such legislation in a general form may perhaps be more readily obtained than if it were desired solely for the interests of one municipality, we suggest the consideration, on the part of those charged with presenting this matter to the Legislature, of the expediency of asking for an act vesting these powers in the boards of health in all cities of the Commonwealth whose population exceeds 50,000.

We submit herewith a draft of certain orders which might be passed for your Honorable Body to carry the foregoing recommendations into effect, and we desire to urge upon you the importance of immediate action in the passage of these orders, as we are informed that the time during which new business may be presented to the present sitting of the Legislature expires on the sixth day of February next; and that the petition for such legislation should be presented before that time, and the draft of the act embodying it

should, if possible, be presented with the petition, but must, as we are informed, in any event be presented by the 13th of February.

It is, we believe, of the utmost importance that the city should obtain these powers at the present sitting of the Legislature. Not only will the evil be aggravated by further delay, but the expense to the city of undertaking this work may be enormously increased. For instance, we are informed that the present machinery and plant of the Bay State Company, the largest manufacturers of brick in this city, has been almost entirely removed, and that the value of that now remaining is practically little or nothing; while, were this matter deferred until the next sitting of the Legislature, that company may, before that time, put in machinery, engines, etc., to the value of between $75,000 and $100,000, and start upon the process of excavating the remainder of their lands with a vigor and to an extent never known before.

Favorable action at the present sitting of the Legislature would save the city the expense which might be entailed, were the city to wait, before imposing restrictions on these lands, until after this new investment has been made.

Finally: Recognizing that it may be deemed by certain private interests for their advantage, to employ counsel before the Legislature to prevent the city obtaining the desired powers; and recognizing that many measures of value to the public have been defeated by such employment, which might have been saved had similar steps been taken for their furtherance, we have embodied in our order a provision authorizing the city solicitor, if, in his opinion, it is desirable for the interests of the city so to do, to employ counsel to assist in the securing of this legislation.

Further report of a plan for dealing with this territory will be made as soon as the requisite engineering work can be done.

(Signed)

E. EDWIN SPENCER,
EDMUND M. PARKER,
CHARLES HARRIS,
} *Board of Health of the City of Cambridge.*

OFFICE OF BOARD OF HEALTH, CITY HALL, Dec. 31st, 1895.

*To the Honorable the City Council:* —

This Board herewith respectfully submits its annual financial statement, it being for the year ending November 30th, 1895 :—

| | | |
|---|---|---|
| Amount appropriated for Health Department | | $11,500 00 |
| AMOUNT EXPENDED. | | |
| Advertising | $10 29 | |
| Anti-toxine | 5 00 | |
| Bacteriological Examinations | 624 50 | |
| Badges | 8 00 | |
| Blank Books | 15 00 | |
| Board of Patients at Hospital | 1,368 93 | |
| Burial of Animals | 60 50 | |
| Canvas Suits | 5 00 | |
| Car tickets | 450 00 | |
| Chemicals and Disinfectants | 90 85 | |
| Culture Bag | 6 50 | |
| Directory | 4 25 | |
| Disinfecting | 60 00 | |
| Drafting Plans | 5 00 | |
| Harness, etc. | 74 25 | |
| Horses | 330 00 | |
| Horse Board | 206 67 | |
| Horse-shoeing | 15 63 | |
| Indexing | 6 40 | |
| Inspectors' suits | 16 50 | |
| Legal Services | 25 00 | |
| Map Board | 5 50 | |
| Medicine | 7 90 | |
| Printing and Postage | 136 87 | |
| Public Urinals (care) | 620 25 | |
| Public Urinals (plumbing materials for repairs) | 1 37 | |
| Public Urinals (supplies) | 12 20 | |
| Rubber Stamp | 1 75 | |
| Services of Clerk | 1,114 81 | |
| Services of Medical Inspector | 2,949 96 | |
| Services of Nurse (at Cottage Hospital) | 37 10 | |
| Services of Sanitary Inspectors | 1,687 25 | |
| *Amounts carried forward* | $9,963 23 | $11,500 00 |

| | | |
|---|---|---|
| *Amounts brought forward* | $9,963 23 | $11,500 00 |
| Services of Van Drivers | 712 00 | |
| Serving Notices | 16 04 | |
| Signs | 23 02 | |
| Stationery | 56 61 | |
| Tinware | 60 | |
| Typewriting | 26 00 | |
| Vans | 600 00 | |
| Van repairs | 36 20 | |
| Van supplies | 49 28 | |
| Total expenditures | | 11,482 98 |
| Balance of appropriation unexpended | | $17 02 |

By direction of the Board of Health,

JAMES B. SOPER,

*Clerk.*

## VITAL STATISTICS.

### Death Rate per 1,000 Living from all Causes.

| 1886. | 1887. | 1888. | 1889. | 1890. | 1891. | 1892. | 1893. | 1894. | 1895. |
|---|---|---|---|---|---|---|---|---|---|
| 17.89 | 18.96 | 19.64 | 19.17 | 17.05 | 19.24 | 19.44 | 20.86 | 19.59 | 18.40 |

The mean annual death rate for the ten years, 1886 to 1895 inclusive, was 19.02.

For the ten census years 1850 to 1895 it was 19.75.

Since the receipt of the State Census for 1895, the death rates of the years subsequent to 1890 have been recast with the view to obtaining a nearer approach to accuracy.

### Scarlet Fever.

*Morbidity per 1,000 Living.*

| 1886. | 1887. | 1888. | 1889. | 1890. | 1891. | 1892. | 1893. | 1894. | 1895. |
|---|---|---|---|---|---|---|---|---|---|
| 3.70 | 3.27 | 2.23 | 1.70 | 2.69 | 4.89 | 5.01 | 8.84 | 11.37 | 3.59 |

*Fatality Percentage.*

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3.93 | 9.56 | 15.4 | 6.03 | 5.29 | 2.82 | 4.54 | 9.85 | 11.2 | 5.80 |

The mean annual morbidity for the ten years, 1886 to 1895 inclusive, was 4.73. The morbidity for the year just passed was the lowest since 1890, and was below the mean of the ten years recorded above. The mean annual fatality for the ten years, 1886 to 1895 inclusive, was 7.44.

There were reported to the Board during the year 293 cases, a decrease from the number reported in 1894, of 608.

The distribution of the cases was as follows :—

Ward 1, cases 72, a decrease of 67 ; Ward 2, cases 66, a decrease of 168 ; Ward 3, cases 43, a decrease of 138 ; Ward 4, cases 49, a decrease of 219 ; Ward 5, cases 63, a decrease of 16. All parts of the city shared in the decrease, though it was most marked in those parts, Wards 2, 3 and 4, where the disease had been most prevalent.

*Age and Sex Distribution.*

| Age. | Male. | Female. | Total. |
|---|---|---|---|
| 0–1 | 5 | 1 | 6 |
| 1–2 | 8 | 2 | 10 |
| 2–3 | 17 | 11 | 28 |
| 3–4 | 15 | 13 | 28 |
| 4–5 | 22 | 13 | 35 |
| 5–10 | 62 | 48 | 110 |
| 10–15 | 16 | 23 | 39 |
| 15–20 | 10 | 8 | 18 |
| 20–25 | 5 | 3 | 8 |
| 25–35 | 1 | 3 | 4 |
| 35–45 | | 1 | 1 |
| Not given | 5 | 1 | 6 |
| Total | 166 | 127 | 293 |

*Number of Cases Reported Weekly.*

| Week ending | Cases. | Week ending | Cases |
|---|---|---|---|
| January 5 | 7 | July 6 | 14 |
| " 12 | 10 | " 13 | 4 |
| " 19 | 5 | " 20 | 5 |
| " 26 | 7 | " 27 | 5 |
| February 2 | 9 | August 3 | 3 |
| " 9 | 11 | " 10 | 5 |
| " 16 | 8 | " 17 | 5 |
| " 23 | 6 | " 24 | 7 |
| March 2 | 9 | " 31 | 5 |
| " 9 | 8 | September 7 | 0 |
| " 16 | 7 | " 14 | 3 |
| " 23 | 4 | " 21 | 4 |
| " 30 | 9 | " 28 | 2 |
| April 6 | 3 | October 5 | 2 |
| " 13 | 7 | " 12 | 3 |
| " 20 | 7 | " 19 | 7 |
| " 27 | 8 | " 26 | 3 |
| May 4 | 2 | November 2 | 7 |
| " 11 | 7 | " 9 | 3 |
| " 18 | 6 | " 16 | 4 |
| " 25 | 2 | " 23 | 6 |
| June 1 | 7 | " 30 | 1 |
| " 8 | 15 | December 7 | 2 |
| " 15 | 7 | " 14 | 3 |
| " 22 | 1 | " 21 | 1 |
| " 29 | 8 | " 28 | 8 |

## Diphtheria.

*Morbidity per 1,000 Living.*

| 1886. | 1887. | 1888. | 1889. | 1890. | 1891. | 1892. | 1893. | 1894. | 1895. |
|---|---|---|---|---|---|---|---|---|---|
| 3.80 | 3.16 | 3.36 | 5.16 | 2.24 | 1.59 | 1.74 | 1.33 | 2.20 | 7.02 |

*Fatality Percentage.*

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 31.9 | 19.3 | 26.5 | 29.3 | 20.3 | 13.0 | 37.8 | 36.8 | 31.8 | 16.4 |

The mean annual morbidity for the ten years, 1886 to 1895 inclusive, was 3.16.

The morbidity for the year just passed was the highest since the notification of diseases dangerous to the public health was made obligatory.

Diphtheria has undoubtedly been more prevalent than usual during the past year, though not to the extent that might be inferred from a comparison of the morbidity figures given above. In 1895 the Board of Health notified the physicians of Cambridge that culture tubes might be obtained at its office to be used for the purpose of assisting in making a diagnosis in cases of obscure throat affections. As a result of this procedure cases have been reported which in former years would have escaped notification, and for this reason the morbidity figures for 1895 are not strictly comparable with those of former years. By this detection of obscure and mild cases hitherto unrecognized the fatality percentage would be lowered and rendered to some extent unreliable as a measure of the severity of the disease in comparison with the fatality figures of former years. This year therefore marks the beginning of a new era, and, however eager we may be to make comparisons, it should be remembered that the drawing of conclusions from data insufficient or not comparable is a procedure that has cast much discredit on medical statistics.

There were reported during the year 573 cases, an increase over the number reported in 1894, of 397.

The distribution of the cases was as follows: Ward 1, cases 35, an increase of 11; Ward 2, cases 277, an increase of 234; Ward 3, cases 78, an increase of 47; Ward 4, cases 126, an increase of 96; Ward 5, cases 57, an increase of 9. Of all cases reported, Wards 2 and 4 furnished over 70%.

There were during the year 94 deaths from diphtheria, and 12 deaths from membranous croup. Hereafter, diphtheria and membranous croup will be taken as one disease in computing the morbidity and fatality.

Had that course been pursued this year, the figures would be: morbidity per 1000 living, 7.28; fatality percentage, 17.8.

*Age and Sex Distribution.*

| Age. | Male. | Female. | Sex Not Given. | Total. |
|---|---|---|---|---|
| 0–1 | 8 | 5 | | 13 |
| 1–2 | 18 | 16 | | 34 |
| 2–3 | 24 | 18 | | 42 |
| 3–4 | 30 | 27 | | 57 |
| 4–5 | 21 | 29 | | 50 |
| 5–10 | 102 | 117 | 1 | 220 |
| 10–15 | 34 | 48 | | 82 |
| 15–20 | 9 | 12 | 1 | 22 |
| 20–25 | 10 | 9 | | 19 |
| 25–35 | 4 | 11 | | 15 |
| 35–45 | 1 | 9 | | 10 |
| 45–55 | | | | |
| 55–65 | | | | |
| 65–75 | | 1 | | 1 |
| Not given | 4 | 4 | | 8 |
| Total | 265 | 306 | 2 | 573 |

*Number of Cases Reported Weekly.*

| Week ending | Cases. | Week ending | Cases. |
|---|---|---|---|
| January 5 | 6 | July 6 | 6 |
| " 12 | 8 | " 13 | 7 |
| " 19 | 11 | " 20 | 4 |
| " 26 | 8 | " 27 | 13 |
| February 2 | 9 | August 3 | 6 |
| " 9 | 3 | " 10 | 12 |
| " 16 | 7 | " 17 | 6 |
| " 23 | 6 | " 24 | 10 |
| March 2 | 6 | " 31 | 5 |
| " 9 | 4 | September 7 | 9 |
| " 16 | 3 | " 14 | 8 |
| " 23 | 1 | " 21 | 6 |
| " 30 | 10 | " 28 | 19 |
| April 6 | 11 | October 5 | 15 |
| " 13 | 7 | " 12 | 10 |
| " 20 | 0 | " 19 | 10 |
| " 27 | 5 | " 26 | 19 |
| May 4 | 9 | November 2 | 12 |
| " 11 | 4 | " 9 | 39 |
| " 18 | 8 | " 16 | 18 |
| " 25 | 15 | " 23 | 30 |
| June 1 | 9 | " 30 | 29 |
| " 8 | 7 | December 7 | 25 |
| " 15 | 9 | " 14 | 28 |
| " 22 | 5 | " 21 | 27 |
| " 29 | 7 | " 28 | 14 |

## Typhoid Fever.

*Morbidity per 1,000 Living.*

| 1886. | 1887. | 1888. | 1889. | 1890. | 1891. | 1892. | 1893. | 1894. | 1895. |
|---|---|---|---|---|---|---|---|---|---|
| 2.18 | 1.91 | 2.50 | 2.94 | 1.08 | 0.97 | 1.07 | 1.20 | 1.50 | 1.31 |

*Fatality Percentage.*

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 14.8 | 16.3 | 15.7 | 13.5 | 25.0 | 22.8 | 18.7 | 17.3 | 17.5 | 11.2 |

The mean annual morbidity for the ten years, 1886 to 1895 inclusive, was 1.66.

The year just passed falls among the years having low morbidities.

The mean annual fatality for the ten years, 1886 to 1895 inclusive, was 17.2.

The fatality for 1895 was the lowest in the ten years given above.

There were reported during the year 107 cases, a decrease of 13 from the previous year.

Their distribution was as follows : —

Ward 1, cases 15, a decrease of 6 ; Ward 2, cases 38, a decrease of 10 ; Ward 3, cases 20, the same as last year ; Ward 4, cases 18, a decrease of 1 ; Ward 5, cases 16, an increase of 4.

*Age and Sex Distribution.*

| Age. | Male. | Female. | Total. |
|---|---|---|---|
| 3–4 | 1 | | 1 |
| 4–5 | | 1 | 1 |
| 5–10 | 9 | 2 | 11 |
| 10–15 | 11 | 6 | 17 |
| 15–20 | 6 | 6 | 12 |
| 20–25 | 14 | 6 | 20 |
| 25–35 | 21 | 12 | 33 |
| 35–45 | 4 | 3 | 7 |
| 45–55 | | 1 | 1 |
| 55–65 | 1 | | 1 |
| Not given | 1 | 2 | 3 |
| Total | 68 | 39 | 107 |

**Measles.**

There were reported during the year 249 cases, giving a morbidity of 3.05 per 1000 living.

The fatality percentage was 1.20.

The death rate per 1000 living was 0.03.

**Death Rate per 1,000 Living.**

| | 1886. | 1887. | 1888. | 1889. | 1890. | 1891. | 1892. | 1893. | 1894. | 1895. |
|---|---|---|---|---|---|---|---|---|---|---|
| Cancer | 0.64 | 0.56 | 0.53 | 0.64 | 0.67 | 0.72 | 0.56 | 0.60 | 0.59 | 0.77 |
| Diarrhœal Diseases | 1.53 | 2.16 | 2.26 | 1.79 | 1.82 | 1.92 | 2.04 | 1.64 | 2.14 | 1.69 |
| Phthisis | 2.88 | 2.64 | 2.50 | 2.63 | 2.49 | 2.73 | 2.69 | 2.76 | 2.08 | 2.22 |
| Whooping Cough | 0.16 | 0.06 | 0.36 | 0.19 | 0.18 | 0.16 | 0.14 | 0.20 | 0.43 | 0.13 |

The mean annual death rate of cancer for the ten years, 1886 to 1895 inclusive, was 0.62; of diarrhœal diseases, 1.89; of phthisis, 2.56; of whooping cough, 0.20

The death rate of cancer was the highest in the years recorded above.

That of diarrhœal diseases was a little below the mean, as was also that of whooping cough, and of phthisis.

### Influenza.

The following table gives the total deaths in the causation of which this disease was certified to have been a factor.

| Sex. | Age. | Died. | Cause of Death. |
|---|---|---|---|
| Female..... | 72 years | January 25..... | Influenza, myocarditis. |
| Female..... | 78 " | February 5..... | La grippe. |
| Female..... | 46 " | " 19..... | Influenza, empyema. |
| Male ..... | 64 " | " 20..... | Acute pneumonia, la grippe. |
| Male ..... | 90 " | " 25..... | La grippe. |
| Female..... | 26 " | " 27..... | La grippe, followed by insanity. |
| Female..... | 57 " | March 1..... | Grippe, pneumonia. |
| Female..... | 77 " | " 1..... | Influenza, ulcer of stomach with hemorrhage. |
| Female..... | 73 " | " 5..... | La grippe, complicated with heart disease. |
| Female..... | 64 " | " 5..... | Pneumonia, following la grippe. |
| Male ..... | 3 " | " 6..... | Grippe. |
| Male ..... ... | 20 " | " 6..... | Natural causes, probably influenza. |
| Female..... | 73 " | " 7..... | La grippe (catarrhal form). |
| Female..... ... | 3 " | " 7..... | La grippe and meningitis. |
| Male .... ..... | 1 year | " 14..... | Influenza and canker, followed by diphtheria. |
| Female..... | 63 years | " 14..... | La grippe, with heart failure. |
| Female..... | 47 " | " 20..... | La grippe, with complications. |
| Male ..... | 63 " | " 21..... | Epidemic influenza, broncho-pneumonia. |
| Female..... | 64 " | " 23..... | Gastro-influenza. |
| Female..... | 20 days | " 27..... | Influenza, epileptiform convulsions. |
| Male ..... | 1 year | April 3..... | Influenza, cerebral congestion. |
| Female..... | 81 years | " 17..... | Influenza, hypostatic pneumonia. |
| Male ..... | 30 " | " 28..... | La grippe, cerebral symptoms. |
| Female..... | 37 " | Sept. 11..... | Grippe. |

## Return of Deaths (Non-residents omitted).

*Age and Sex Distribution.*

| Age. | Males. | Females. | Total. |
|---|---|---|---|
| 0–1 | 176 | 141 | 317 |
| 1–2 | 53 | 54 | 107 |
| 2–3 | 19 | 14 | 33 |
| 3–4 | 14 | 20 | 34 |
| 4–5 | 13 | 8 | 21 |
| 5–10 | 29 | 43 | 72 |
| 10–15 | 7 | 14 | 21 |
| 15–20 | 19 | 22 | 41 |
| 20–30 | 70 | 69 | 139 |
| 30–40 | 68 | 53 | 121 |
| 40–50 | 51 | 74 | 125 |
| 50–60 | 62 | 59 | 121 |
| 60–70 | 63 | 81 | 144 |
| 70–80 | 48 | 75 | 123 |
| Over 80 | 24 | 55 | 79 |
| Unknown | 1 | 1 | 2 |
| Total | 717 | 783 | 1,500 |

*Monthly Distribution.*

| | | | |
|---|---|---|---|
| January | 127 | July | 127 |
| February | 117 | August | 161 |
| March | 127 | September | 131 |
| April | 133 | October | 134 |
| May | 107 | November | 120 |
| June | 104 | December | 112 |

*Causes.*

| | |
|---|---|
| Bronchitis | 41 |
| Pneumonia | 122 |
| Cancer | 63 |
| Cholera Infantum | 69 |
| Diarrhœa and Cholera Morbus | 66 |
| Dysentery | 3 |
| Cerebro-spinal Meningitis | 3 |
| Diphtheria and Croup | 106 |
| Erysipelas | 5 |
| Fever, Malarial | 2 |
| Fever, Puerperal | 1 |
| Fever, Scarlet | 17 |
| Fever, Typhoid | 12 |
| Influenza | 20 |
| Measles | 3 |
| Phthisis | 181 |
| Whooping Cough | 11 |
| Diseases of Brain and Spinal Cord | 149 |
| Diseases of Heart | 113 |
| Diseases of Kidneys | 56 |
| Accident | 47 |
| Suicide | 4 |
| Actinomycosis | 1 |
| Unknown or ill-defined | 121 |
| All other causes | 284 |
| Total | 1,500 |
| Still births | 113 |

*Note.* — In the "Return of Deaths" given above, the form prepared by the State Board, as required by the provisions of Chap. 218, Acts of 1894, has been adopted with a few modifications.

## Cases of Typhoid Fever, Scarlet Fever, and Diphtheria Reported to the Board of Health during the Year 1895.

| | Ward. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Typhoid Fever. | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 6 | 2 | 2 | 2 | 15 |
| | 2 | 2 | 1 | 1 | 2 | 0 | 0 | 1 | 7 | 10 | 11 | 1 | 2 | 38 |
| | 3 | 2 | 3 | 1 | 0 | 0 | 0 | 1 | 1 | 6 | 3 | 2 | 1 | 20 |
| | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 6 | 6 | 1 | 3 | 18 |
| | 5 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 4 | 16 |
| Total | | 6 | 5 | 2 | 3 | 2 | 1 | 4 | 10 | 29 | 26 | 7 | 12 | 107 |
| Scarlet Fever. | 1 | 11 | 12 | 4 | 5 | 3 | 11 | 9 | 9 | 1 | 2 | 1 | 4 | 72 |
| | 2 | 7 | 6 | 7 | 3 | 4 | 6 | 4 | 9 | 4 | 11 | 3 | 2 | 66 |
| | 3 | 9 | 6 | 6 | 10 | 6 | 3 | 0 | 0 | 0 | 0 | 2 | 1 | 43 |
| | 4 | 6 | 7 | 4 | 6 | 5 | 4 | 3 | 1 | 2 | 4 | 1 | 6 | 49 |
| | 5 | 3 | 4 | 8 | 2 | 4 | 8 | 13 | 5 | 3 | 4 | 7 | 2 | 63 |
| Total | | 36 | 35 | 29 | 26 | 22 | 32 | 29 | 24 | 10 | 21 | 14 | 15 | 293 |
| Diphtheria. | 1 | 1 | 1 | 1 | 2 | 3 | 5 | 2 | 5 | 4 | 5 | 2 | 4 | 35 |
| | 2 | 13 | 4 | 7 | 10 | 14 | 16 | 13 | 10 | 31 | 32 | 72 | 55 | 277 |
| | 3 | 10 | 1 | 3 | 7 | 2 | 2 | 7 | 10 | 7 | 8 | 11 | 10 | 78 |
| | 4 | 8 | 12 | 7 | 2 | 12 | 2 | 6 | 8 | 3 | 6 | 33 | 27 | 126 |
| | 5 | 7 | 2 | 2 | 12 | 5 | 3 | 6 | 2 | 1 | 6 | 3 | 8 | 57 |
| Total | | 39 | 20 | 20 | 33 | 36 | 28 | 34 | 35 | 46 | 57 | 121 | 104 | 573 |
| Grand Total | | 81 | 60 | 51 | 62 | 60 | 61 | 67 | 69 | 85 | 104 | 142 | 131 | 973 |

EDWIN FARNHAM, M. D.,

*Medical Inspector.*

# REPORT OF THE TRUSTEES OF THE PUBLIC LIBRARY.

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The annual report of the librarian, which is submitted as a part of this report, states that the number of volumes now in the library is 49,448, of which 2,678 have been added during the year. The other statistics show an increase in the circulation in all departments, but they cannot be compared in detail with those of last year, for the library was entirely closed from July 28 to September 4, 1894, and the reading-room was not re-opened until October 21.

No very noteworthy additions have been made to the books during the past year, the money available for that purpose after the purchase of new publications having been used in filling gaps which were found in sets of important periodicals and in some lines of special study. 1,399 volumes were bought to replace books worn out in use; this is a large item of expense to which the Cambridge Library is specially liable on account of the injury caused by the frequent packing in baskets for delivery at the schools and local stations; as the books are now more carefully bound, they will probably wear longer.

From the library of the late Prof. Henry Warren Torrey, 86 volumes were given by his heirs and 219 volumes were purchased. The librarian selected 177 volumes from the medical library of Dr. Charles E. Vaughan, which were also a gift. 32 volumes were given by Francis Apthorp Foster, 55 by the heirs of the late Henry Wadsworth Longfellow, and 84 German books by Adolph Vogl.

Mr. Gifford began his duties as librarian March 1, and his great efficiency in all lines of library work at once made itself felt. One of his first suggestions was that the re-classifica-

tion of the books should begin immediately, and that the "decimal system" should be used for that purpose. At first the books had been arranged with fixed shelf-numbers, and new books were simply additions with only a very slight attempt at classification by subjects. That a change was desirable had been apparent for some time, but it was prevented by the existence of the printed catalogues, which had been widely distributed. After the trustees had decided that all the books should be included in the card catalogue, which should gradually supersede the printed ones, it became possible to classify and re-number the books previously acquired. This is now being done — slowly, of course, owing to the pressure of new work which cannot be deferred. It is believed, however, that the advantages of a classification by subjects will far outweigh any present inconvenience.

Cataloguing the new books and those which have been re-numbered has increased the number of cards in the public card catalogue so much that additional accommodation was required; instead of the drawers a case will be used containing sixty small, light trays, which can be taken out and consulted at a table; thus one person cannot obstruct several drawers, while at the same time much less space is occupied.

In order still further to increase the facilities for using the library, the trustees have authorized the publication of a monthly bulletin of recent accessions and re-classified books, which will also contain brief explanatory notices. This is intended for free distribution and will be very useful in connection with the local and school deliveries; the first number will be issued in January.

The list of current periodicals and newspapers has been enlarged by the addition of several foreign journals. It is hoped that before long a special room may be devoted to bound newspapers and public documents, where they can be consulted more conveniently. A room on the second floor has been set apart for American history; a number of books on that subject have been placed there, and others will be transferred from the stack as fast as they can be catalogued. The children's

reading-room has proved very successful and is crowded at certain hours of the day; the loss of books noticed at first has gradually diminished.

The local delivery station at Cambridgeport, which had always been at Thorndike's drug store, was transferred on December 1 to the Prospect Union. The librarian has selected 100 volumes which have been sent to the Prospect Union for circulation; the Union is responsible for the books, and they will be changed from time to time. It is hoped that this may be the beginning of a branch library which will largely extend the circulation. A petition for another local delivery station, at the corner of Concord and Huron avenues, has been presented to the trustees, and the station will be opened provisionally January 1.

A form of pass-book for teachers' use, instead of ten special cards, has been adopted and is succeeding very well. The teachers of all the grammar grades now have the privilege of taking out ten books each for school use, and the trustees hope that all will take advantage of it. At present only about three quarters of the teachers have done so. The statistics of the school delivery also show that some of the largest schools use the library least. Complaints are sometimes made that the books asked for cannot be obtained; if several teachers of a grade are considering the same topic at the same time, as frequently happens, they will all want the same books for their classes. Such a demand cannot be supplied unless a large number of extra copies are purchased, and this the trustees have not thought it best to do beyond a limited extent. The Morse and Webster schools have libraries of their own, and it is worth considering whether it would not be better for each large school to have a collection of such books as are needed every year, especially history, biography, and travels, than for the public library to buy enough additional copies and also to bear the expense of transportation and proper care.

Since the completion of the extension, which permitted the cataloguing and other administrative work to be located elsewhere, the Cambridge room has been restored to its original

purpose, the objects of artistic and historical interest have been better arranged for inspection, and one especially interesting relic has been added, — a flag of the 38th regiment, M. V. M., presented to the library by that regiment.

In April last, Miss Ellen F. Lowell, after more than twenty years of faithful and efficient service, resigned on account of ill health; she had charge of the local and school deliveries from the beginning, and her knowledge of books, and good judgment in selecting them, were very useful in that work. Miss Charlotte E. Stewart, who had been Miss Lowell's substitute during her leave of absence, was appointed her successor. Miss Jeannette I. Hallett was at the same time added to the regular library staff. The thanks of the trustees are due to Mr. P. G. Porter for frequent services as notary public.

Respectfully submitted,

WILLIAM TAGGARD PIPER,

*In behalf of the Trustees.*

# REPORT OF THE LIBRARIAN.

*To the Trustees of the Cambridge Public Library:—*

GENTLEMEN:—I herewith present my report on the work of the library, for the year ending in November, 1895:

## Books.

The growth of the library during the past year has been satisfactory. The net increase has been more than two thousand volumes, and several departments have been materially strengthened. Our resources, however, do not permit the rapidity of growth which the constantly extending use made of the library requires, and as a result we are compelled to postpone many requested purchases which would be of immediate and permanent benefit.

I strongly recommend that additions be made each year to our sets of bound periodicals. Our list is a creditable one, but it is still far from meeting all the demands made upon it. We have recently filled the gaps in several broken sets, and a few entire sets which are frequently called for I hope we may add during the coming year.

The number of worn-out volumes, always large, is perhaps somewhat greater than usual on account of the final rejection of some books no longer in print. These were of little value, and the sole reason for attempting to supply them was because they appeared in the printed catalogue. The wear and tear on our books resulting from the constant packing and unpacking incident to the school and local delivery service contributes in no small degree to the growth of the list of worn-out books. I would suggest that in estimating the financial needs of the library for the ensuing year special attention be given to the outlay for replacement and duplication, as the annual sum now

spent for books by no means indicates a corresponding increase in the scope of the library.

The amount spent on binding has increased considerably during the last six months. A great deal of the work had previously been done at very low cost, and the results were decidedly unsatisfactory both in appearance and in durability. A better quality of work is more economical in the end, especially in the case of those books receiving the hardest wear.

### Classification and Card Catalogue.

When I began my duties as librarian, in March last, it was decided by the book committee that a classification of the library, involving a new system of numbering, should be started. In accordance with this plan all books added since that time have been classified by the decimal system, and those previously acquired are being gradually recatalogued. Every book numbered by the new system may be found in the card catalogue, which will thus comprise the entire library when the classification is completed. The work is progressing steadily, though necessarily somewhat slowly, since every book of which the number is changed has to be entirely recatalogued, and the new purchases must always receive first attention.

Under the present system, the work of cataloguing is being done more in detail than at any time heretofore. The catalogue drawers had little surplus room for the resulting rapid increase in the number of cards, and consequently by a recent vote of the trustees a case of trays similar to those in use at the Boston Athenæum and at the Boston public library will soon replace the drawers. By means of these trays the space occupied by the catalogue will be greatly economized.

### American History Room.

The consolidation in one room of the books on American history (particularly New England local history) and genealogy will be of great service to the many people who have occasion to make use of these departments, and the saving of time both to the public and to the library staff will be very considerable. The demand for genealogical books has been greatly stimulated by the establishment of societies composed of descendants of

soldiers of the American revolution or of the colonial wars; but although we have made some valuable additions during the past year our genealogical library is still small. The process of recataloguing the books destined for this room has not proceeded so rapidly as I hoped, on account of other work that admitted of no postponement, but steady progress has nevertheless been made.

### Children's Room.

The children's reading-room is used as much as could be desired, and a far larger one would often fail to provide sufficient accommodations. The establishment of this room has contributed greatly to the comfort of the frequenters of the main reading-room, as well as to the benefit of the children themselves. The many visitors to the library, especially those who are planning new library buildings, have been deeply interested in the provision made for children and have given it high praise. Many of the children are as yet unable to read, and for the amusement of such we have provided scrap-books of pictures. The plates from some of our worn-out books are utilized for this purpose. The usage which all the books in this room receive is of course severe, and some have been stolen. But the loss may well be regarded as trifling in comparison with the good results which may fairly be expected as time goes on, from the welcome which the library extends to children. The public library must meet many people in the community far more than half-way if they are to be induced to make use of the advantages it holds out, and it is best to begin in the formative period of childhood.

### Reading-Room.

From the reading-room there have been withdrawn some of the reference books which were seldom or never consulted, and a few others will later on be transferred to the genealogical library. New books are taking the places of these, however; and from time to time similar changes will be made in order that the reference shelves may be utilized to the best advantage.

By the alteration made last spring in the electric light fixtures, the reading-room is lighted in a much more satisfactory manner, without the use of additional lamps.

### Periodicals.

The list of periodicals has been increased during the past year by the addition of the Illustrated London News, Punch, Nature, the English Illustrated Magazine, the Queen, and several others. A few additional subscriptions have already been made for 1896. The demand for periodical literature is practically without limit, and our list should be enlarged from time to time whenever our funds permit, particularly as the total number is still by no means large. The boxes in the reading-room for the current magazines are already insufficient in number. As a temporary remedy I recommend that they be divided by partitions and re-lettered. The spaces are sufficiently large to admit of this, and the capacity will thus be nearly or quite doubled. A new list of all periodicals regularly received should be printed as early in 1896 as may be practicable.

Turning to the newspapers, the New York Semi-weekly Tribune has been dropped, and three New York dailies have been added, — the Tribune, Herald, and Evening Post. Since the beginning of the present college year, the Harvard Crimson has been regularly received. In response to several requests, the weekly edition of the London Times will be found on file beginning in January next. When the new shelves in the basement are completed, the bound newspapers will be more accessible than before, for it will then be possible to take persons desiring to consult the files at length directly to the room where they are kept.

### Cambridge Room.

In the Cambridge room, the books in the memorial library and the articles of antiquarian interest have been partially rearranged, and the latter are to be labelled for the convenience of visitors. Some pictures not in keeping with the character of the room have been removed. By adhering as closely as possible to the purpose for which this room was established, it is to be hoped that the people of Cambridge may come more and more to look upon it as the natural depository for books, manuscripts, and other objects of local historical interest.

A large glass case has been placed in the Cambridge room within a few months to contain the old regimental flag presented

to the library by the 38th regiment, M.V.M. This flag was originally purchased and given to the regiment by Cambridge ladies in January, 1864, and bears the names of some of the battles in which the regiment participated.

Attention should be called to the fact that the Cambridge room can now be readily placed at the disposal of small classes desiring to look at photographs or to have books for consultation.

### School and Local Delivery Stations.

At the present rate of increase in the number of books sent to the local delivery stations and to the public schools, the time is not far distant when two assistants, instead of one, will be needed in this department of the library work. Occasional requests, which will eventually become formal petitions, are made for an increased number of local stations. It is my opinion that the increase may be made to advantage whenever the library is ready to assume the necessary additional expense.

The trustees have voted to transfer the local delivery station in Cambridgeport to the Prospect Union building. It is expected that by this change we may be able to extend in several ways the usefulness of the library in that part of the city, with little or no increase in the cost of administration. At this new station there will be sufficient space at our disposal to enable us to establish in effect a small branch library. One hundred selected volumes, or thereabouts, will be sent to the station to be circulated directly from there. From time to time these volumes will be recalled and will be replaced by others.

With the opening of the present school year a pass-book was substituted for the ten cards formerly allowed each teacher in the schools to which deliveries are made. The form of the pass-book was regarded as an experiment likely to suggest further improvements after trial. The new method has worked well even under the severe test imposed by a large increase in the school work.

The greatest need of the library at present, so far as the schools are concerned, is for more copies of certain books very generally used. From similar grades throughout the city, requests are frequently received for long lists of books on the

same subject, and these demands cannot always be satisfactorily met at one time. The publication of a new list of books especially adapted to youthful readers would undoubtedly be of great advantage to teachers and pupils alike. But I think it might be well to defer the preparation of such a list until the reclassification of the library is farther advanced.

### Library Bulletin.

The recent decision of the trustees to publish a library bulletin, beginning in January next, will meet with general approval. While the main purpose of the bulletin will be to present more extended notices of new books than have hitherto been attempted, there will at the same time be given an opportunity for the publication of special reading lists and of library notes. By means of this bulletin it is hoped to bring the local delivery stations, in particular, into closer communication with the library.

### Gifts.

The library has received some valuable gifts during the past year, among which may be mentioned 32 miscellaneous books from Mr. F. Apthorp Foster; 86 volumes from the library of the late Professor Henry Warren Torrey; 84 German books from Mr. Adolph Vogl; and 177 volumes from the medical library of Dr. Charles E. Vaughan. We continue to receive the valuable memoirs and bulletins of the Museum of Comparative Zoölogy at Harvard College.

In concluding this, my first report, I may say that the library is in a prosperous condition and that its fields of usefulness are steadily widening. In the statistics to which I invite your attention in the appendix to this report, it will be seen that the circulation of books for home use has made a decided increase. I wish to thank my assistants for their willing and faithful cooperation, and to the members of the board of trustees my thanks are due for a cordial welcome and for unfailing support.

Respectfully submitted,

WM. L. R. GIFFORD,

*Librarian.*

# APPENDIX.

Amounts received from fines and the sale of catalogues, and deposited with the City Treasurer:

| | Fines. | Catalogues. | Total. |
|---|---|---|---|
| December–February | $126 13 | $5 50 | $131 63 |
| March–May | 133 07 | 3 00 | 136 07 |
| June–August | 89 22 | 1 10 | 90 32 |
| September–November | 89 86 | 2 60 | 92 46 |
| | $438 28 | $12 20 | $450 48 |

## General Statistics.

| | |
|---|---|
| Total number of volumes in the library | 49,448 |
| Volumes added during 1895 | 4,090 |
| Books worn out and condemned | 1,399 |
| Books lost and not paid for | 13 |
| Volumes bound and rebound | 3,006 |
| Number of books repaired or labelled | 13,042 |
| Number of postals sent for books overdue | 6,887 |
| Present number of card holders | 10,064 |

## Circulation.

| | Central. | Local. | Schools. | Total. |
|---|---|---|---|---|
| First Quarter | 29,246 | 5,687 | 1,872 | 36,805 |
| Second Quarter | 30,897 | 6,898 | 2,326 | 40,121 |
| Third Quarter | 21,893 | 5,577 | 221 | 27,691 |
| Fourth Quarter | 25,806 | 5,126 | 2,153 | 33,085 |
| Total | 107,842 | 23,288 | 6,572 | 137,702 |

| | |
|---|---|
| Average per day (Central library) | 354 |
| " " (Local deliveries and schools) | 140 |
| Largest issue (Central library), Feb. 23 | 872 |
| " " (Local deliveries), March 16 | 271 |
| " " (School " ), Nov. 15 | 497 |
| Smallest " (Central library), Aug. 27 | 51 |
| " " (Local deliveries), Jan. 14 | 9 |
| Books drawn from the stack for reference in the reading-room | 10,033 |
| Teachers' books drawn directly from library | 1,243 |

## Classified Circulation.

| | Fiction. | Juvenile Literature. | Biography. | History. | Poetry. | Science and Art. | Travels. | Miscellany. | Bound Magazines. | Current Magazines. | Foreign. | Total for year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Central Library... | 49,088 | 23,327 | 4,548 | 5,317 | 2,337 | 6,793 | 2,821 | 8,570 | 824 | 2,577 | 1,640 | 107,842 |
| Local and Schools | 12,319 | 9,788 | 1,322 | 1,643 | 345 | 1,306 | 1,684 | 1,152 | 65 | 109 | 127 | 29,860 |
| Total..... | 61,407 | 33,115 | 5,870 | 6,960 | 2,682 | 8,099 | 4,505 | 9,722 | 889 | 2,686 | 1,767 | 137,702 |
| Per cent..... | .45 | .24 | .04 | .05 | .02 | .06 | .03 | .07 | .01 | .02 | .01 | |

## School Delivery.

| Name of School | Agassiz. | Allston. | Corlett. | Harvard. | Latin. | Morse. | Peabody. | Putnam. | Shepard. | Sleeper. | Thorndike. | Washington. | Webster. | Wellington. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Books Delivered..... | 80 | 955 | 220 | 311 | 46 | 384 | 626 | 764 | 547 | 110 | 489 | 672 | 465 | 903 | 6,572 |

## Local Delivery.

| Stations. | Belmont. | Cambridgeport. | East Cambridge. | North Cambridge. | Lower Port. | Ward Four. | Total. |
|---|---|---|---|---|---|---|---|
| Books Delivered..... ... | 1,445 | 3,420 | 4,006 | 9,375 | 2,140 | 2,902 | 23,288 |

## Additions (Including Replaced Books).

| Source. | City Appropriation. | Citizens' Subscription Fund. | Cummings Fund. | Fay Fund. | Gurney Fund. | Gifts. | Total. |
|---|---|---|---|---|---|---|---|
| Books..... | 3,342 | 25 | 21 | 30 | 3 | 669 | 4,090 |

## Gifts.

| | V. | P. |
|---|---|---|
| Balch, E. S., Philadelphia | 1 | |
| Barlow, W. H. | | 1 |
| Barnes, Albert M. | 1 | |
| Batchelder, S. F. | 1 | |
| Bent, Sarah C. | 29 | |
| Benton, J. H., *jr.*, Boston | | 1 |
| Bigelow, M. T. | 2 | |
| Birtwell, Frances M. | | 2 |
| Bolton, Charles K., Brookline | | 2 |
| Boston, City of | 2 | |
| Bradlee, Caleb D., Boston | | 1 |
| Brooklyn Ethical Association, Brooklyn | | 1 |
| Browning, Arthur | 1 | |
| Cambridge, City of | 2 | |
| Child, Francis S. | | 12 |
| Civic Federation of Chicago | | 1 |
| Clark, S. C. | 2 | |
| Cobden Club, London, Eng. | | 2 |
| Cogswell, Edward R. | 1 | |
| College of New Jersey, Princeton, N. J. | 1 | |
| Dana, Richard H. | 1 | |
| Daniels, G. H., New York, N. Y. | 1 | |
| Davis, A. McFarland | | 1 |
| Denny, Henry G., Boston | | 1 |
| Dixwell, Epes S. | 8 | |
| Dudley, S. H. | | 1 |
| Ela, Walter | | 2 |
| Emerton, Ephraim | 2 | 1 |
| Field Columbian Museum, Chicago | | 5 |
| Fitzgerald, D., Boston | 1 | |
| Foster, F. Apthorp | 32 | |
| Gifford, W. L. R. | 17 | |
| Gould, G. M., Philadelphia | 1 | |
| Grand Army of the Republic, Mass. Department | 1 | |
| Hall, *Mrs.* W. H. | 2 | |
| Harvard University | 2 | |
| Higginson, Thomas Wentworth | 10 | |
| Huling, Ray Greene | | 5 |
| Huntington, C. A. | 1 | |
| Indian Rights Association, Philadelphia | | 13 |
| Indiana, State of | 1 | |
| International Trust Co., Boston | 1 | |
| James, William | 2 | |
| Kellner, M. L. | | 1 |
| King, Moses, New York, N. Y. | 1 | |
| Leffingwell, Albert | | 4 |
| Livermore, John | 1 | |

| | V. | P. |
|---|---|---|
| Longfellow, Henry W., Heirs of | 55 | |
| Massachusetts, Commonwealth of | 19 | |
| Massachusetts Charitable Association | 1 | 1 |
| Massachusetts Historical Society | | 1 |
| Massachusetts Society for Promoting Agriculture | 1 | 1 |
| Massachusetts Volunteer Militia, 38th Regiment | Flag. | |
| Morrison, William A. | 1 | |
| Mount Hermon Seminary, Northfield | 2 | |
| Mount Holyoke College, South Hadley | 1 | |
| Museum of Comparative Zoölogy | 1 | |
| Nash, Nathaniel C. | 1 | |
| Newberry Library, Chicago | 1 | |
| Olmstead, Charles | 1 | |
| Parker, Abbott | 1 | |
| Pearson, Sarah, Heirs of | 5 | |
| Pearson Memorial Committee | 1 | |
| Peterson, John | 7 | |
| Piper, William Taggard | 6 | |
| Robertson, John M., London, Eng. | 5 | |
| Rolfe, William J. | 3 | |
| Smithsonian Institution, Washington, D. C. | 3 | |
| Stone, Josephine M. | | 1 |
| Swan, Sarah H. | 1 | |
| Taylor, Frederick W. | 7 | |
| Thayer, J. B. | | 1 |
| Thorndike, Edward | 2 | |
| Torrey, Henry W., Library of | 86 | |
| United States: | | |
| Bureau of Education | 2 | |
| Civil Service Commission | 7 | |
| Interior Department | 7 | |
| Interstate Commerce Commission | 3 | |
| Labor Department | 18 | |
| Navy Department | 1 | |
| Patent Office | 1 | |
| University of Pennsylvania, Philadelphia, Pa. | 1 | |
| Unknown | 11 | 2 |
| Vaughan, Charles E. | 177 | |
| Vogl, Adolph | 84 | |
| Werner Company, Chicago, Ill. | 1 | |
| Wheeler, E. W. | | 3 |
| Wisconsin Historical Society, Madison, Wis. | 4 | |
| Wood, Ella S., Lancaster | 1 | |

The following libraries have sent reports and bulletins: —

Aguilar Free Library Association, New York, N. Y.
Birmingham (England) Free Libraries Committee.
Boston Public Library.

Bronson Library, Waterbury, Conn.
Brookline Public Library.
Brooklyn (N. Y.) Library.
Cincinnati (Ohio) Public Library.
Cleveland (Ohio) Public Library.
Dayton (Ohio) Public Library.
Dover (N. H.) Public Library.
Everett Free Public Library.
Fall River Public Library.
Fletcher Free Library, Burlington, Vt.
Hartford (Conn.) Public Library.
Harvard University Library.
Illinois State Historical Library.
Lancaster Town Library.
Lawrence Free Public Library.
Lenox Library, New York, N. Y.
Leyton (England) Public Library.
Lynn Public Library.
Malden Public Library.
Manchester (N. H.) City Library.
Memorial Hall Library, Andover.
Minneapolis Public Library.
New Bedford Free Public Library.
Newark (N. J.) Free Public Library.
Newton Free Library.
Northampton Public Library.
Peoria (Ill.) Public Library.
Portland (Oregon) Library Association.
Providence (R. I.) Public Library.
Robbins Library, Arlington.
St. Louis Mercantile Library Association.
St. Louis Public Free Library.
Salem Public Library.
San Francisco Free Public Library.
Scranton (Pa.) Public Library.
Somerville Public Library.
Springfield City Library.
Taunton Public Library.
Thomas Crane Public Library, Quincy.
Tufts Library, Weymouth.
Utica (N. Y.) Public Library.
Waltham Public Library.
Watertown Free Public Library.
Wilmington Institute, Wilmington, Delaware.
Winchester Town Library.
Woburn Free Public Library.
Worcester Free Public Library.

# REPORT OF THE SUPERINTENDENT OF PUBLIC BUILDINGS.

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Office of the Superintendent of Public Buildings,

City Hall, Cambridge, December 1, 1895.

*To the Honorable the City Council of the City of Cambridge:* —

Gentlemen: — In accordance with the requirements of Section 4, Chapter 13, of the City Ordinances, I have the honor to present the tenth annual report of this department.

Entering upon the duties of Superintendent of Public Buildings and Inspector of Buildings, at the beginning of the year, I have found it necessary to consult with my predecessor, Mr. Benjamin H. Steele, on several occasions in regard to many details connected with this department. His advice and suggestions have always been cheerfully given, and I am under great obligations to him for this valuable service.

It has been found necessary, in order to facilitate the increasing business, and also in order to better accommodate those having business with this department, to extend the office hours, and during the year someone connected with the department has been in daily attendance at the office from 8 A.M. until 2 P.M., excepting on Saturdays. I have found that the extension of the time for closing the office, from 11.45 A.M. to 2 P.M., has been greatly appreciated.

In April, Mr. James W. Emery was appointed Assistant Inspector of Buildings; the appointment was made from the civil service list. Mr. Emery has rendered the department faithful and valuable service, in causing the ordinances in relation to the construction of private dwellings to be enforced.

The Assistant Inspectors have each been required to make daily written reports of each inspection made on the previous day, which have been carefully examined, and filed away for future use if necessary.

I desire to call the attention of the City Council to the pressing need of another assistant in this department, for the purpose of causing a better enforcement of the ordinances in relation to the construction of masonry work. After careful observation, I am satisfied that such an inspector can be profitably employed. I have also made arrangements with the Chief of Police, by which persons have been prevented from beginning the erection of buildings or making alterations, without the necessary permit from this office; in this work the police have been of great assistance to this department.

The inspections of public buildings in process of erection, made by this department the past year, have very materially exceeded the number of those of any former year; the whole number is 1170, of which 883 were special inspections made by the head of the department. The City buildings that have been in course of construction have received a daily inspection, and in many cases several inspections a day have been made.

During the year Mr. E. B. Dale, the Engineer at the City Hall, has been employed by this department to exercise a supervision over the care and condition of the boilers and furnaces in the various school houses and city buildings, and he has also had charge of the putting in of the supply of coal in each of these buildings. In the course of his supervision, Mr. Dale has found that many things in connection with the care of boilers and furnaces have been neglected, and in some cases the requisite knowledge of how to properly heat the buildings has been wanting.

Instruction in these cases has been necessary. This supervision has resulted in benefit to the city, as it has caused the janitors to attend more strictly to their duties.

I believe it to be necessary, on the score of both economy and safety, to have this supervision continued, and I would recommend that this department be authorized to confer upon

some competent person the jurisdiction and control over the heating systems in our various city buildings, including school houses.

The question of preventing the construction of wooden buildings on the principal thoroughfares of this city, has received a great deal of attention the past year. In connection with a committee from the City Council, appointed for that purpose, fire districts have been established covering the following territory: beginning at Harvard Bridge and running continuously to Waterhouse Street, including one hundred feet on either side of Massachusetts Avenue; from West Boston Bridge to Lafayette Square; from Craigie's Bridge to and including Inman Square, distant one hundred feet on either side.

The Committee was convinced that the time had arrived when something should be done in this matter; the safety of the inhabitants and the property of the City demanded that no more wooden buildings should be permitted along certain streets.

The only manner in which this could be accomplished was by the establishment of fire limits; accordingly such recommendations were made by the special committee on fire limits, to the City Council, with the above results, under authority granted by the Legislature, Chapter 71 of the Acts of 1895.

The wisdom of these ordinances has been demonstrated within the short period that they have been in force, for they have resulted in several parties who had intended building wooden structures within the territory covered by the ordinances, having their plans changed, and they are now building substantial brick structures.

I would recommend that other districts, not included in the present ones, be considered in the near future.

In addition to the attention given to preventing the erection of additional wooden structures within certain limits, the department has also urged the passage of more stringent laws for the construction of wooden buildings in all parts of the City. I am pleased to report that the recommendations were favorably con-

sidered by the Committee, and through their recommendations ordinances have been passed by the City Council, which prevent the erection of wooden buildings to a greater height than three stories, when such buildings are to be used for dwellings. Also an ordinance preventing builders from lathing and plastering until this department has made an inspection and ascertained that the fire stops have been properly constructed in accordance with the ordinances.

The various changes made in the building ordinances during the past year have caused some complaint from the builders, but in the main they have been ready to conform to them, after receiving notice of the changes.

I desire to urge upon the City Council the passage of an ordinance which shall require that duplicate plans of all buildings which are intended to be erected within the fire limits of the City, shall be filed with this office during the construction of the building. My reasons for urging this are these: several instances have arisen the past year, where plans have been changed after they had been approved by this department, and permits to build in accordance therewith issued. Upon inspection of the buildings it has been found that the requirements of the ordinances have not been followed; reference to the plans has developed the fact that the buildings are in accord with them, and that they have been changed since the issuance of the permit to build.

The only way in which such occurrences can be stopped is by requiring the filing of duplicate plans at this office. The expense to the builder will be slight.

Following is a statement of the improvements and repairs made upon the City Buildings during the year ending Nov. 30th, A. D. 1895:

**New Engine House, Ward 2.**

The Engine House at the corner of Deacon and Main Streets has been completed, and is now occupied by the department. The contract for the construction of this building was made with Mr. John H. Laskey of Boston, on the twenty-seventh day of June, A. D. 1894, for the sum of $16,700.00.

Under the terms of the contract the building was to have

been completed by the first day of November, A. D. 1894. Owing to the failure of the contractor to comply with the conditions of his contract, and the unsatisfactory progress of the work, on Jan. 22d, 1895, notice was served upon him and also upon the sureties on his bond, that the City, by its Superintendent of Public Buildings, would enter upon, take charge of and complete the work according to the plans and specifications.

On Jan. 26th, the City took charge of the work; some delay was occasioned from the fact that the plans had been destroyed, and, on account of the unsatisfactory and incomplete condition of the work generally throughout the building, I was obliged to complete the greater part of the building by the day. I am satisfied, however, that the cost of the completion by this method was not exorbitant.

After the City had taken possession of the building, a number of liens for labor were placed upon it. Each of these cases was contested in the Courts, and ably conducted by the City Solicitor, but in most of them decisions were given against the City.

The amounts obtained by the claimants were in my opinion excessive, but they were able to show the Court that they were ordered by the contractor to report for work many days when there was nothing for them to do, because of the failure of the contractor to furnish the materials required. They were entitled to compensation, and for that reason considerable had to be paid them, in return for which they were unable to give anything on account of the contractor's negligence.

Had the contractor given the work the personal attention it demanded, and had he furnished the proper materials and help, I think the building could have been completed for the amount originally appropriated. The unnecessary delay and lack of interest shown by the contractor, made an additional appropriation necessary.

Of the $3,000.00, the amount of the second appropriation, made July 30th, there remains unexpended $976.18.

One suit in connection with this contract is now pending in

the Superior Court; when this is settled, all the papers in the case will be handed over to the City Solicitor for final adjustment, and I am informed that he proposes to bring suit against the sureties on the bond of the contractor, in a sum sufficient to indemnify the City against any loss in carrying out the conditions of the contract according to plans and specifications.

### The Lafayette Square Engine House.

Engine House No. 2, located at Lafayette Square, has undergone some necessary repairs, and several important changes have been made in the arrangements of the building. The timbers under the stall floors were in an unsatisfactory condition, and additional ones have been put in for the purpose of strengthening the floors.

The floors were also taken up and relaid. The boiler located in the cellar has been raised thirteen inches so as to prevent water running under the fire-pot and extinguishing the fire. Additional heating surface has been placed in both the smoking rooms; this work was done by the permanent men at the House, the City furnishing the materials.

I am satisfied that this manner of doing the work has caused a considerable saving to the City, and is a custom which, if encouraged throughout the buildings of this department, would result in a decided reduction in the expenses of the care and repairs of buildings. The outlay on this building for the past year has been $539.17; this amount may seem excessive when we consider that it is a new building, but I deemed it essential to the proper arrangement for effective service, and the expenditure had the approval of the Committee on Fire Department and the Committee on Public Property.

### New Engine House, Ward 3.

The engine house at the corner of Third and Gore Streets, for which an appropriation of $17,500.00 was made from the amount received from the sale of the present engine house to the County of Middlesex, is nearly completed, and will be ready for occupancy about Jan. 1st, 1896. The plans were prepared by Mr. John E. Muldoon, and, bids being called for by an advertisement, which appeared in the Cambridge Press,

the contract was awarded to Mr. Thomas H. Connell of Lowell, for the sum of $16,400.00.

When completed this engine house will be one of the finest in the state; the accommodations are superior to the present house, and its architectural effect much more imposing.

### New Engine House, Ward 5.

An appropriation of $23,000.00 was made June 18th, for the erection of an engine house at the corner of Blake Street and Massachusetts Avenue. Plans were selected by a limited competition, and the award made to Mr. Aaron H. Gould, architect, of Boston.

An advertisement, calling for bids for the construction of the building, was inserted in the Cambridge Chronicle, and the contract given to W. L. Clark & Co. of Boston, for the sum of $22,225.00. The foundation is now being put in, and the building is to be completed June 1, 1896. The amount appropriated seemed to be very liberal, and called for the best efforts of this department, to give to the citizens not only a building that would meet the requirements of the department for which it was intended, but one that would also be an ornament to that section of the City.

Careful attention has been given to the plans presented, and the final selection was made after consultation with the Committees on Fire Department and Public Property. The selection seemed to give general satisfaction, but its location on the lot called forth some criticism from residents of that section of the City. They presented a petition to the City Council, remonstrating against the manner in which it was proposed to place the building on the lot; a hearing was held and after a thorough discussion of the subject the matter was referred to the Committee on Public Property and the Superintendent of Public Buildings with authority to engage the services of an expert architect to determine its proper location on the lot.

The subject of the location of the building on the lot was very carefully considered by this department, and opinions obtained from men of experience in such matters, before the location was finally determined. I felt that there could be

but one outcome in the final adjustment, and was satisfied that, at the completion of the building, those who believed that the location of the building on the lot was undesirable, would agree that the final adjustment was in the main very satisfactory.

### Engine House No. 6, River St.

At the request of the Chief of the Fire Department, important changes have been made in this building to provide for additional stall accommodations, which required changes to be made in the stairways, plumbing and passage-ways, necessitating quite an outlay.

The changes made were a great improvement over former arrangements, and have proved very satisfactory.

### City Building, Brattle Square.

Very little has been done to this building the past year, owing to the limited appropriation made for care and repair. The sanitary arrangements in the Hook and Ladder Company's quarters were found to be very defective, and necessitated quite an outlay from the fact that new sinks and closets had to be put in, which required the carrying of ventilation pipes through the roof; this of course added materially to the cost, but the desired results have been obtained, namely: improved sanitary arrangements and improved facilities for the department.

During the coming year improvements in the ventilation of the cells of Police Station No. 1. must be made, as at present they are in a very unsatisfactory condition.

### Central Square Building.

This building has received its proper attention, and some of its needed repairs have been attended to, but much remains to be done the coming year.

### City Hall.

The City Hall has received its proportion of attention in the line of repairs; although practically a new building there must of necessity be more or less expended on it yearly in repairs, in order to keep it in proper condition, for, should needed

repairs be neglected, in a very short time the cost of the same would be materially increased, and the building would receive a decided injury.

The present arrangement for heating without any ventilation seems to be unsatisfactory, and a great deal of complaint from heads of departments has been made to this office. I think in the near future the subject of the heating and ventilation of this building should be carefully considered.

### Bath House.

The cost for repairs on this building has been larger than in former years, owing to the fact that a new system had to be introduced in order to keep the building afloat. Large, air-tight barrels had been used in former years for this purpose, but, owing to the severe test to which they were subjected during the winter months, new ones had to be substituted nearly every season. This year large cypress tanks were substituted for the barrels, and by means of a pump the depth of the bathing-room floor can be regulated, so that the proper amount of water necessary for bathing purposes can be maintained at all times.

The old cable chains were found to be very badly worn, and new ones were substituted. The coming season will necessitate putting in new floors and a partial new roof, which will then make the building in fairly good condition.

Much trouble has been experienced the past summer in maintaining order, owing to the fact that large numbers congregate there daily to avail themselves of the privileges afforded, and the janitor has in some cases been unable to preserve order and properly protect the building. It would seem desirable that arrangements be made with the Police Department to furnish assistance during certain hours of the day.

### Shooting Range.

The Committee on Public Property selected and recommended to the City Council a piece of land located in Lexington, Mass., belonging to Mr. W. H. Homans, as a suitable

place for a shooting range, and a lease for ten years has been taken by the City for that purpose. Much difficulty was experienced by the Committee in finding a suitable location, and several visits were made by them before the final selection.

Many obstacles presented themselves before satisfactory papers could be obtained which would insure to the City the use and control of this land for shooting purposes, but late in the fall the last difficulty was overcome, and the City paid to Mr. W. H. Homans the sum of $1,200.00, taking a lease for ten years.

The contract for building this range is ready for signing, and its completion is looked for in the early spring. The range will be built for 200, 500 and 600 yards practice, and will include shooting-house 22x40, and 24 targets which will be connected with the firing point by electric bells and telephone. The sum of $2,000.00 has been appropriated for building this range.

When completed it will afford good accommodations for the militia, being near the Lexington and Munroe Depots.

### School Houses.

The Sleeper School House, located at the corner of Dudley and Cedar Streets, Ward 5, was completed in the early part of the year and accepted by the School Department in March.

This building is of brick, is two stories in height, and contains eight school rooms; it is well lighted and ventilated, having the latest and best improvements in sanitaries, which are located in the basement of the building, and being provided with ample ventilation. The heating is by furnaces, two of which are set in brick work, the third being portable, used for heating entry-ways.

The ground upon which this building is located contains 21,284 square feet, and the grading and fencing was done under the supervision of the Park Commissioners, for which purpose $800.00 was given by this department; this amount I am informed, however, did not cover the cost of doing the work, but the deficiency was made good by that department.

### New School House, Ward 3.

The Taylor School House, located on Charles Street, Lowland Avenue and Vine Street, Ward 3, is nearly completed, and will be ready for occupancy the first of January, 1896. The appropriations made for this building were as follows, exclusive of land: —

| | |
|---|---|
| December 28, 1894 | $30,000 00 |
| February 20, 1895 | 5,000 00 |
| October 22, 1895 | 1,300 00 |
| Total | $36,300 00 |

The additional appropriations were made necessary in order to finish a hall in the third story, and to drive piling, which it was found necessary to do in order to have a proper foundation upon which to build the structure, and the increased labor and cost were not included in the original contract.

This building contains eight finished class rooms, two recitation rooms, teachers' and master's rooms, each provided with toilet accommodations.

In the third story there is a finished hall, containing 2364 sq. ft. floor space, with ample platform accommodations. There is still remaining an unfinished portion on the third floor in this building, of sufficient size that when finished, it will afford accommodations for one hundred additional scholars.

The sanitaries are located in the basement, and like those in the Sleeper School are of the latest and best designs. The ventilation has received careful attention; there is located in the basement one 57-horse-power boiler of Kendall & Sons' make, with the proper settings and connections necessary to insure proper results. The class rooms are heated by indirect radiation, and the halls and entry-ways by direct.

### New School House, Ward 1.

An appropriation of $4,000.00 was made December 28th, 1894, for the purchase of a school house lot in the vicinity of Larch Street, Ward 1; the selection of the lot was delegated to the Superintendent of Schools, the Chairman of the Com-

mittee of School Houses of the School Board, and the Superintendent of Public Buildings. Late in the spring a suitable lot was secured on Larch Street, and after long delays a satisfactory title was given to the City.

On July 3d, 1895, an appropriation of $35,000.00 was made for the purpose of erecting on this lot a ten-room brick school house. Plans were then selected from an advertised competition, five architects competing; these plans were submitted to the Committee on Public Property and Schools. After carefully considering the several plans submitted, the Committee unanimously agreed to recommend the plans presented by Aaron H. Gould of Boston. Plans have been procured according to the Committee's recommendation, and contractors are now figuring for the erection of this building.

It is hoped to have the building completed and ready for occupancy for the fall term of 1896.

### Sanitary Arrangements in School Houses.

Conditions existed in the Washington, Harvard and Shepard school houses that required immediate attention, and on July 2d, 1895, an appropriation of $4,000.00 was made to cover the cost of these changes. The sanitaries of the Washington and Shepard school houses were located in the yards, and at the Harvard, in the basement, but in such a defective condition as to be dangerous to the health and comfort of the teachers and scholars. Latest improvements have been made in each of these buildings (being located in the basements), and the sanitary arrangements are now among the best in the City.

Many complaints are made to this department of defective sanitary conditions in some of our Schools; these complaints are carefully investigated, and when defects are found to exist immediate remedies have been applied.

Quite often, defective conditions are reported to exist, which upon investigation are found to be of an imaginary nature. It has been the rule with this department to carefully inquire into all cases and to intelligently remedy the defects that would be detrimental to health, wherever they were found to exist.

A teachers' toilet room, which seemed to be an absolute necessity, has been provided at the Stearns School House.

Extensive repairs in sanitary arrangements at the Otis, Thorndike, Boardman, and Sargent school houses have been made during the past year, and their conditions have been greatly improved.

### The Stearns School House.

On September 14th, a fire of probable incendiary origin caused a damage of about $500.00 to this building. This school house is one of the oldest in the City, and its condition did not warrant a great outlay, but proper attention was given to putting the building in a safe condition, and new timbers were substituted wherever weakness was found to exist from the effects of the fire. The building is now in a fairly good condition.

### Harvard School House.

The boilers in this building, which had been in constant use for nearly twenty-five years, were, upon inspection made by Mr. E. B. Dale, a gentleman appointed to inspect all boilers in City buildings and school houses, found to be in a very unsafe and dangerous condition.

New ones of Roberts' Iron Works make have been substituted; the new boilers are much larger than the old ones, being two horizontal tubular boilers, each forty-eight inches in diameter by fourteen feet long, containing fifty-four tubes, two and one half inches in diameter. This increase of size will allow the building to be heated in ordinary weather by running one boiler, thus reducing the cost of heating.

The cost of the two boilers, including setting, has been about $1,500.00.

### Lee Street School House.

The condition of this building was early in the year the subject of some criticism on the part of the press and the residents in that vicinity, owing to the fact that seemingly needed repairs had not been made. At that time the building was not in use, and the small surplus of money left at my disposal for

care and repair, did not warrant me in expending much on it and neglecting more important buildings, but on the opening of the fall term of the schools a request was made by the School Committee, that suitable provisions be provided in this building for accommodating the Evening Drawing School.

Electric lights had to be put in, and furnishings for the accommodation of the pupils. The building is now being used for that purpose, and also two extra rooms for the use of the Latin School scholars. If this building is to be continued in use in the future for school purposes, many needed repairs will have to be made the coming season, as certain portions of it are very much decayed, and the entire building will have to be painted. The plank sidewalks in the yard have been relaid and the grounds partially graded by the Park Department, which has made a much-needed improvement.

### Inspection of Plumbing.

This branch of this department is under the charge of Mr. Wm. A. Ford. The character of the work performed by him has been marked by a gradual improvement over former years; the ordinances are more generally understood, and a compliance with their requirements easily enforced.

The relations existing between this branch and the trade have been of a harmonious character, and failures to comply with the ordinances have been largely due to misapprehension of their requirements. The large number of important changes in sanitary arrangements in our school buildings, the past year, has required much time and attention to be given by the inspector, while other duties have not been neglected.

The following are the statistics of the work of this department, for the year ending Nov. 30, 1895, viz: —

| | |
|---|---|
| Number of permits issued | 583 |
| Number of recorded inspections | 1472 |
| Number of jobs defective, or otherwise not in accordance with the ordinances | 9 |
| Number of employers registered | 6 |
| Number of journeymen | 7 |

## Real Estate Belonging to the City.

SCHOOLS.

| Buildings. | Location. | Feet of Land. | Valuation. |
|---|---|---|---|
| Washington | Brattle Street | 14,951 | $32,000 00 |
| English High | Broadway | 74,366 | 238,000 00 |
| Corlett | Holworthy Street | 10,000 | 4,000 00 |
| Agassiz | Sacramento Street | 19,689 | 24,000 00 |
| Cushing | Cushing Street | 14,787 | 4,000 00 |
| Dunster | Concord Avenue | 10,000 | 6,000 00 |
| Holmes | Hilliard Street | 11,182 | 10,500 00 |
| Lowell | Lowell Street | 12,033 | 9,500 00 |
| Quincy | Mason Street | 8,469 | 15,000 00 |
| Riverside | Putnam Avenue | 11,192 | 8,000 00 |
| Latin | Fayette Street | 37,828 | 55,900 00 |
| Latin | Lee Street | 10,100 | 15,000 00 |
| Wellington / Gannett | Columbia Street | 27,673 | 50,300 00 |
| Allston | Boardman Street | 15,193 | 34,600 00 |
| Harvard | Inman Street | 20,494 | 57,000 00 |
| Bridge | Pioneer Street | 4,646 | 1,900 00 |
| Parker | Broadway | 12,329 | 22,000 00 |
| Dana | Centre Street | 14,317 | 6,300 00 |
| Felton | Amory Street | 15,090 | 10,500 00 |
| Gannett (new) | Jefferson Street | 15,434 | 15,000 00 |
| Sargent | Broadway | 9,995 | 7,000 00 |
| Stearns | Harvard Street | 10,050 | 8,000 00 |
| Putnam | Fourth Street | 11,900 | 68,300 00 |
| Thorndike | Thorndike Street | 10,027 | 34,000 00 |
| Gore | Gore Street | 9,900 | 29,600 00 |
| Lassell | Charles Street | 10,000 | 10,500 00 |
| Otis | Otis Street | 8,270 | 16,000 00 |
| Webster | Upton Street | 25,839 | 59,000 00 |
| Boardman | Windsor Street | 10,018 | 16,000 00 |
| Tarbell | Griggs Street | 19,500 | 12,000 00 |
| Willard | Niagara Street | 20,079 | 30,000 00 |
| Morse | Brookline Street | 25,650 | 80,000 00 |
| Peabody | Linnæan Street | 21,813 | 34,000 00 |
| Shepard | Massachusetts Ave | 14,755 | 37,000 00 |
| Reed | Reed Street | 12,000 | 5,200 00 |
| Wyman | Spruce Street | 14,347 | 9,000 00 |
| Sleeper | Dudley Street | 21,284 | 29,000 00 |

CITY BUILDINGS.

| | | | |
|---|---|---|---|
| Ward One | Brattle Square | 16,153 | $69,700 00 |
| Ward Four | Central Square | 13,028 | 60,500 00 |
| City Hall | Massachusetts Ave | 48,474 | 248,500 00 |
| Hook and Ladder House | Portland Street | 11,931 | 15,000 00 |
| Engine House No. 2 | Massachusetts Ave | 10,000 | 33,473 00 |
| Engine House No. 4 | Massachusetts Ave | 6,516 | 10,000 00 |
| Engine House No. 5 | Inman Square | 6,000 | 13,000 00 |
| Engine House No. 6 | River Street | 4,924 | 14,500 00 |
| Engine House | Lexington Avenue | 15,262 | 16,000 00 |
| Engine House No. 3 | Third Street | 5,250 | 24,000 00 |
| Police Station | Fourth Street | 4,220 | 22,100 00 |
| Engine House No. 7 | Main Street | 9,400 | 27,300 00 |

## School Houses.

| Schools. | Fuel. | Light. | Repairs. | Supplies. | Extra Labor. | Janitors. | Totals. |
|---|---|---|---|---|---|---|---|
| Allston | $277 00 | $72 15<br>*112 88 | $505 29 | $89 99 | | $378 22 | $1,435 53 |
| Agassiz | 224 81 | 7 28 | 368 61 | 84 42 | | 626 00 | 1,311 12 |
| Boardman | 197 00 | 13 | 659 59 | 105 72 | | 521 70 | 1,484 14 |
| Corlett | 56 25 | | 35 46 | 5 23 | | 234 75 | 331 69 |
| Cushing | 71 69 | | 41 66 | | | 234 75 | 348 10 |
| Dana | 78 80 | 91 | 80 54 | 22 20 | | 269 47 | 451 92 |
| Dunster | 77 68 | | 302 33 | 11 30 | | 495 60 | 886 91 |
| Felton | 137 90 | 7 15 | 394 18 | | | 269 47 | 808 70 |
| Gannett (new) | 131 25 | 10 27 | 218 94 | 12 00 | | 469 50 | 841 96 |
| Gannett (old) | 5 70 | 11 44 | 30 40 | 7 00 | | 495 60 | 550 14 |
| Gore | 328 25 | 7 77 | 362 05 | 4 21 | $196 00 | 534 35 | 1,432 63 |
| Harvard | 123 00 | 22 23 | 1,953 95 | 64 97 | 14 00 | 852 95 | 3,031 10 |
| High | 1,396 95 | 13 13<br>*211 26 | 206 31 | 52 96 | 352 50 | 1,806 01<br>808 60 | 4,847 72 |
| Holmes | 80 75 | 39 | 83 70 | 7 50 | | 352 13 | 524 47 |
| Lassell | 145 70 | | 258 86 | 5 80 | 56 00 | 343 00 | 809 36 |
| Latin | 298 50 | 6 76 | 337 76 | 28 21 | | 852 95 | 1,524 18 |
| Lee Street | 40 95 | | 171 69 | 117 02 | 72 25 | 148 00 | 549 91 |
| Lowell | 116 50 | 39 | 63 60 | 9 65 | 2 25 | 313 00 | 505 39 |
| Morse | 671 15 | 1 04 | 313 12 | 25 82 | 17 80 | 1,043 35 | 2,072 28 |
| Otis | 155 70 | 5 59 | 105 06 | 21 47 | | 626 00 | 913 82 |
| Parker | 305 35 | 5 33 | 124 70 | 22 43 | | 471 70 | 929 51 |
| Peabody | 379 22 | 1 95 | 124 63 | 38 12 | | 730 35 | 1,274 27 |
| Putnam | 720 81 | 31 07<br>*92 25 | 216 14 | 75 76 | | 1,043 35 | 2,179 38 |
| Quincy | 60 50 | 26 | 27 64 | 35 | | 313 00 | 401 75 |
| Reed | 76 90 | | 21 20 | 43 92 | | 365 20 | 507 22 |
| Riverside | 147 66 | | 124 06 | 6 82 | | 339 10 | 617 64 |
| Sargent | 98 50 | 1 95 | 184 67 | 4 56 | | 378 23 | 667 91 |
| Shepard | 307 10 | 6 89<br>*36 65 | 295 29 | 107 68 | 7 50 | 626 00 | 1,387 11 |
| Sleeper | 343 70 | | 85 20 | 113 28 | | 468 00 | 1,010 18 |
| Stearns | 137 90 | 28 60 | 884 85 | 38 95 | 19 00 | 269 66 | 1,378 96 |
| Tarbell | 145 83 | | 143 63 | 35 | | 339 10 | 628 91 |
| Thorndike | 290 75 | 8 97 | 316 84 | 94 68 | | 730 35 | 1,441 59 |
| Washington | 314 25 | 44 46 | 209 80 | 93 86 | 3 60 | 586 87 | 1,252 84 |
| Webster | 480 15 | 77 22<br>*103 53 | 626 83 | 82 09 | | 939 00 | 2,308 82 |
| Wellington | 866 17 | 5 33 | 611 05 | 99 63 | 75 | 495 60 | 2,078 53 |
| Willard | 255 33 | | 201 36 | 136 37 | 28 00 | 702 35 | 1,323 41 |
| Wyman | 180 76 | | 154 86 | 3 17 | | 417 35 | 756 14 |
| All Schools | 305 41 | 317 33<br>*115 20 | 6 05 | 1,175 52 | 1,050 20 | 49 40 | 3,019 11 |
| | $10,031 82 | $1,367 76 | $10,851 90 | $2,813 01 | $1,819 85 | $20,940 01 | $47,82435 |

* Electric lighting.

SCHOOL HOUSE, WARD ONE.

| | |
|---|---|
| Appropriation | $39,000 00 |
| Expended | 4,039 11 |
| Balance | $34,960 89 |

SCHOOL HOUSE, WARD THREE.

| | |
|---|---|
| Appropriation | $36,300 00 |
| Expended | 21,007 51 |
| Balance | $15,292 49 |

SCHOOL HOUSE, WARD FIVE.

| | |
|---|---|
| Appropriation | $20,950 00 |
| Expended | 20,846 84 |
| Balance | $103 16 |

SANITARY ARRANGEMENTS, SCHOOLS.

| | |
|---|---|
| Appropriation | $9,000 00 |
| Expended | 8,595 82 |
| Balance | $404 18 |

## Care and Repair of City Buildings.

CITY HALL.

| | |
|---|---|
| For fuel | $1,148 65 |
| Electric lighting | 1,584 18 |
| Gas | 116 60 |
| Repairs | 729 88 |
| Supplies | 949 18 |
| Janitor | 1,204 89 |
| Engineer | 1,204 04 |
| Fireman | 640 00 |
| Watchman | 730 35 |
| Extra labor | 2,302 35 |
| Total | $10,610 12 |

WARD ONE BUILDING, BRATTLE SQUARE.

| | |
|---|---|
| For fuel | $668 33 |
| Gas | 819 49 |
| Lighting tower clock | 120 00 |
| Repairs | 917 77 |
| Supplies | 23 64 |
| Janitor | 1,399 27 |
| Total | $3,948 50 |

### WARD FOUR BUILDING, CENTRAL SQUARE.

| | |
|---|---|
| For fuel | $534 10 |
| Electric lighting | 2 08 |
| Gas | 180 36 |
| Repairs | 112 41 |
| Supplies | 68 54 |
| Janitor | 1,399 27 |
| Extra labor | 101 80 |
| Total | $2,398 56 |

### POLICE DEPARTMENT.

| | |
|---|---|
| Police Station 1, Brattle Square | $82 38 |
| Police Station 2, Central Square | 218 05 |
| Police Station 3, Fourth Street | 1,189 69 |
| Total | $1,490 12 |

### FIRE DEPARTMENT.

| | |
|---|---|
| Engine House No. 1, Brattle Square | $283 00 |
| Engine House No. 2, Massachusetts Avenue | 539 17 |
| Engine House No. 3, corner Otis and Third Streets | 25 26 |
| Engine House No. 4, Massachusetts Avenue | 181 37 |
| Engine House No. 5, Inman Square | 80 00 |
| Engine House No. 6, River Street | 402 94 |
| Engine House No. 7, Main Street | 89 04 |
| Hook and Ladder No. 2, Portland Street | 131 55 |
| Chemical House No. 2, Lexington Avenue | 140 18 |
| Total | $1,872 51 |
| Miscellaneous | $1,199 27 |

### ENGINE HOUSE, WARD TWO.

| | |
|---|---|
| Appropriation | $15,000 00 |
| Expended | 14,023 82 |
| Balance | $976 18 |

### ENGINE HOUSE, WARD THREE.

| | |
|---|---|
| Appropriation | $17,500 00 |
| Expended | 8,369 40 |
| Balance | $9,130 60 |

ENGINE HOUSE, WARD FIVE.

| | |
|---|---|
| Appropriation | $23,000 00 |
| Expended | 333 38 |
| Balance | $22,666 62 |

In conclusion I desire to express to his Honor the Mayor, to the members of the Committee on Public Property, and to the heads of departments, my sincere appreciation of the valuable assistance rendered me during the year.

Respectfully submitted,

WM. H. GRAY,

*Superintendent of Public Buildings.*

# REPORT OF THE INSPECTOR OF BUILDINGS.

OFFICE OF THE INSPECTOR OF BUILDINGS, CITY HALL,
CAMBRIDGE, Dec. 1, 1895.

*To the Honorable the City Council of Cambridge:* —

GENTLEMEN: — I have the honor to submit the tenth annual report relating to the business of this department, for the year ending November 30th, 1895.

The radical changes made during the year in our building ordinances materially increased the work of this department, as extra care has had to be taken in order that the new requirements were fully comprehended and complied with by builders. I am gratified to report that the revised ordinances have been cheerfully complied with by builders, with but few exceptions. The incipient opposition to the establishment of fire limits, which appeared at the outset of the movement, and which continued a short time after their establishment, has almost entirely disappeared, and some of its former opponents are now among its strongest supporters.

The enforcement of the ordinances has shown them that the establishment of fire limits means for the City increased protection from loss of life and property, and the result in the end will be beneficial to all the people. An impartial enforcement of the ordinances has been required in all cases.

Following is a table showing the number and character of alterations ordered where the Inspector's services have been required in the interest of public safety and to the enforcement of ordinances: —

| | |
|---|---|
| Inspection of buildings to be moved | 18 |
| Woodwork too near flues | 57 |
| Fire checks ordered | 156 |
| Violation of building ordinances | 72 |
| Cellar walls ordered rebuilt | 9 |
| Buildings in dangerous condition | 43 |
| Chimneys ordered rebuilt | 11 |
| Inspections made on private buildings | 3,182 |
| Number of permits revoked | 12 |
| Number of permits re-issued | 4 |

The following table shows the number of permits granted in each ward for buildings, etc., and the use for which they were intended: —

| BUILDINGS. | WARDS. | | | | |
|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 |
| Additions | 25 | 26 | 12 | 29 | 15 |
| Alterations and repairs | 27 | 10 | 8 | 12 | 9 |
| Carriage houses | 3 | 4 | 3 | 6 | 7 |
| Chimneys | 1 | | | 1 | |
| Dwellings | 72 | 57 | 8 | 64 | 155 |
| Dwellings and stores | 3 | 11 | | 3 | 1 |
| Factories | 1 | 3 | 2 | 4 | |
| Foundations | 6 | 2 | | 4 | 1 |
| Heating apparatus | 4 | | 2 | 6 | 2 |
| Stables | 8 | 6 | | 3 | 6 |
| Stores | 1 | 7 | 1 | 8 | 6 |
| Store houses | 1 | 6 | 1 | 5 | 6 |
| Miscellaneous | 5 | 1 | 2 | 3 | 2 |
| Total | 157 | 133 | 39 | 148 | 210 |

Of the foregoing permits 599 were issued for wooden buildings, 22 for brick and stone buildings, and 66 for sundry purposes. Making a total of 687.

Those of brick and stone are as follows: —

| | |
|---|---|
| Block | 1 |
| Dormitory | 1 |
| Dwellings | 7 |
| Dwellings and stores | 3 |
| Engine House | 1 |
| Factory | 2 |
| Home | 1 |
| School House | 1 |
| Printing | 1 |
| Publishing House | 1 |
| Store | 2 |
| Store House | 1 |
| Total | 22 |

Number of permits granted for each month during the years 1894, 1895 : —

| | 1894. | 1895. |
|---|---|---|
| December | 20 | 31 |
| January | 20 | 32 |
| February | 28 | 29 |
| March | 58 | 101 |
| April | 60 | 87 |
| May | 60 | 76 |
| June | 52 | 48 |
| July | 49 | 84 |
| August | 75 | 51 |
| September | 49 | 49 |
| October | 69 | 44 |
| November | 60 | 55 |
| Totals | 600 | 687 |

From the statistics of the building operations in our City the past year, it is gratifying to note the gradual improvement made in the construction of buildings, as well as the increased number of permits issued from this department.

Plans submitted are carefully inspected before permits are issued, and when irregularities are found to exist, changes are ordered to be made that will make them conform to the requirements of our building ordinances. Much time and expense is thus saved the builder.

In conclusion, it is gratifying to note the promptness with which builders have complied with our laws, and their willingness to assist in enforcing them.

Respectfully submitted,

WM. H. GRAY,

*Inspector of Buildings.*

# CITY CLERK'S REPORT OF FEES AND LICENSES.

OFFICE OF CITY CLERK, December 12, 1895.

*To the Honorable the City Council:* —

The undersigned herewith presents an account of the sums received for fees and licenses during the year ending Nov. 30, 1895: —

| | |
|---|---|
| Auctioneers' Licenses | $32 00 |
| Pool, Bowling Alley and Billiard Licenses | 63 00 |
| Wagon and Carriage Licenses | 275 00 |
| Intelligence Offices | 34 00 |
| Junk Stores and Collectors' Licenses | 233 00 |
| Pawnbrokers' Licenses | 4 00 |
| Recording Mortgages, Assignments, etc. | 557 25 |
| Marriage Certificates | 479 00 |
| Certified Copies from the Records | 63 40 |
| Dog Licenses | 380 60 |
| Liquor Licenses | 47 00 |
| Fireworks' Licenses | 86 00 |
| Minors' Licenses and Sundries | 89 30 |
| Total | $2,343 55 |

The foregoing amount has been paid into the City Treasury.

The receipts from Dog Licenses have been $4,472.00. Of this amount, the City Clerk's fee (20 cents for each license issued), amounting to the sum of $380.60, is included in the above list of fees, and the balance, amounting to $4,091.40, has been paid to the County Treasurer.

Respectfully submitted,

EDWARD J. BRANDON,
*City Clerk.*

# REPORT OF CITY TREASURER'S FEES.

OFFICE OF CITY TREASURER, December 2, 1895.

*To the Honorable the City Council:* —

In compliance with the Ordinance, I herewith give a detailed report of fees received by me as City Treasurer and Collector of Taxes in the year ending November 30, 1895, all of said fees having been paid into the City Treasury: —

| | | |
|---|---|---|
| From summonses for taxes . . . . . | $1,055 60 | |
| " Writing descriptions of estates to be sold . | 223 50 | |
| " Advertising estates to be sold . . . . . | 186 00 | |
| " Posting on estates to be sold . . . . . | 154 00 | |
| " Writing Collector's deeds . . . . . | 52 00 | |
| " Making affadavits of demand and sale . . . | 52 00 | |
| | | $1,723 10 |
| There has also been received and placed to the credit of the treasurer's account, received from the Water Department, the cost of carriages used by the Treasurer in paying city employees at Hobbs Brook in the winter and spring of 1895, which amount had been paid from Treasurer's appropriation . | | 140 00 |
| Making the total amount received, according to the Auditor's account . . . . . | | $1,863 10 |

Respectfully submitted,

WM. W. DALLINGER,
*City Treasurer.*

# REPORT OF THE CITY MESSENGER.

Office of City Messenger, December 17th, 1895.

*To the Honorable the City Council:* —

Gentlemen: — In compliance with the Ordinance relating to the purchase and delivery of stationery, the City Messenger has the honor to submit his annual report: —

| | |
|---|---|
| Stock of Stationery on hand Dec. 1, 1894 | $247 34 |
| Purchased during the year | 1,103 87 |
| | $1,351 21 |

Delivered to heads of departments as follows: —

| | |
|---|---|
| Street Department | $42 99 |
| City Clerk's Department | 111 36 |
| Engineering Department | 69 73 |
| Clerk of Committees Department | 87 41 |
| Auditor's Department | 82 89 |
| City Messenger's Department | 111 04 |
| City Treasurer's Department | 39 44 |
| City Police Department | 45 74 |
| Lamp Department | 19 02 |
| Assessors' Department | 89 17 |
| Fire Department | 6 37 |
| Inspector of Milk and Vinegar Department | 14 07 |
| Superintendent of Public Buildings Department | 38 23 |
| State Aid Agent | 10 45 |
| Inspector of Wires Department | 7 95 |
| Law Department | 29 32 |
| Executive Department | 85 90 |
| Election Expenses | 54 14 |
| Sealer of Weights and Measures | 8 06 |
| Registrars of Voters | 4 34 |
| Park Department | 92 51 |
| Ambulance Department | 2 14 |
| Stock of Stationery on hand Dec. 1, 1895 | 298 94 |
| | $1,351 21 |

Respectfully submitted,

FRANCIS L. PRATT,
*City Messenger.*

# REPORT OF THE TRUSTEES OF THE BRIDGE CHARITABLE FUND.

The Trustees of the Bridge Charitable Fund respectfully submit the nineteenth annual report of the Board.

| | | |
|---|---|---|
| In the last annual report the sum stated as belonging to the fund up to November 30, 1894, with interest added to July 19, 1894, was | | $2,443 82 |
| Interest to July 19, 1895 | $98 70 | |
| Less two thirds, payable to Overseers of the Poor | 65 80 | |
| Balance one third of interest added to fund | | 32 90 |
| Actual amount belonging to fund, as of July 19, 1895 | | $2,475 72 |

Although by the terms of the bequest of Levi Bridge, two thirds of the interest accumulation of this fund, beyond the sum of $2,000.00, are due and payable to the Overseers of the Poor, that Board has not claimed the amount of such excess for several years, and the amount on deposit in the savings bank to the credit of the fund is therefore larger by this excess.

| | |
|---|---|
| The amount actually on deposit at the Cambridgeport Savings Bank, with interest to July 19, 1895, is | $3,239 61 |
| Actual amount belonging to the fund | 2,475 72 |
| Amount due Overseers of the Poor | $763 89 |

The amount due the Overseers of the Poor is subject to their call at any time, but they have preferred to allow it to remain until large enough to be suitable for the purposes for which it was intended by the founder.

There is little to add to the last report of this Board. The fund is slowly increasing, and in due time will be available and largely beneficial to our unfortunate and deserving poor.

WM. A. BANCROFT,
JOHN R. FAIRBAIRN,
JOHN L. ODIORNE,
} *Trustees.*

# REPORT OF THE TRUSTEES OF THE DOWSE INSTITUTE.

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CAMBRIDGE, December 31, 1895.

*To the Honorable the City Council:* —

The Board of Trustees of the Dowse Institute respectfully reports that a course of five lectures, with two readings and a concert, was given in Union Hall, Cambridgeport, beginning Nov. 13, 1894, and ending Jan. 15, 1895.

An attested copy of the accounts of the Treasurer is herewith transmitted, showing the amount of receipts and expenditures.

W. W. WELLINGTON,
W. A. BULLARD,
FRANK A. ALLEN,
WM. A. BANCROFT,
JOHN L. ODIORNE,
} *Board of Trustees.*

W. A. Bullard, Treasurer, in account with

*Dr.*

| | | |
|---|---|---|
| 1894. | | |
| To Balance . . . . . | | $526 74 |
| City of Cambridge, for one year's interest on fund | $600 00 | |
| Tickets to the course of entertainments . . . . | 660 00 | |
| | | 1,260 00 |
| | | $1,786 74 |

DOWSE INSTITUTE.

| | | | | *Cr.* |
|---|---|---|---|---|
| 1894. | | | | |
| Nov. 13. | By | Paul B. DuChaillu, for a lecture . . | $100 00 | |
| " 27. | | Henry A. Clapp, for a lecture . . . | 75 00 | |
| Dec. 4. | | Geo. Riddle and musicians, for a reading . . . . . | 200 00 | |
| " 11. | | Geo. R. Wendling, for a lecture . . | 100 00 | |
| " 18. | | Wm. R. Thayer, for a lecture . . . | 50 00 | |
| 1895. | | | | |
| Jan. 1. | | Ovid Musin Concert Co., concert . | 150 00 | |
| " 8. | | Robarts Harper, for a lecture . . . | 75 00 | |
| " 15. | | J. J. Hayes, for a reading . . . . | 75 00 | |
| | | | | $825 00 |
| | | Stamped envelopes, addressed . . . | $23 25 | |
| | | C. C. Parkyn, for circulars . . . . | 20 00 | |
| | | Cambridge Tribune, advertising . . | 42 50 | |
| | | Cambridge Chronicle, advertising . | 41 25 | |
| | | Cambridge Press, advertising . . . | 25 50 | |
| | | Cambridge News, advertising . . . | 25 50 | |
| | | F. M. Buffum, distributing circulars | 14 50 | |
| | | G. E. French, distributing circulars . | 1 50 | |
| | | F. L. Beunke, distributing circulars . | 3 00 | |
| | | Express charges . . . . . | 50 | |
| | | Harvard Printing Co., printing . . | 26 00 | |
| | | Union Hall Association . . . . . | 320 00 | |
| | | H. H. Dyer, ticket seller . . . . . | 8 00 | |
| | | Chas. L. Russell, doorkeeper . . . | 8 00 | |
| | | F. M. Buffum, doorkeeper . . . . | 8 00 | |
| | | Albert F. Buffum, doorkeeper . . . | 8 00 | |
| | | | | 575 50 |
| | Balance . . . . . | | | 386 24 |
| | | | | $1,786 74 |

ATTEST: W. A. BULLARD, *Treasurer.*

# REPORT OF THE INSPECTOR OF ANIMALS AND PROVISIONS.

*To the Honorable the City Council:* —

GENTLEMEN: — In accordance with the requirements of the ordinance in relation to the inspection of animals intended for slaughter, or kept for the production of milk, I beg leave to submit the following report for the financial year ending November 30, 1895: —

| | | |
|---|---|---|
| Appropriation | | $750 00 |
| EXPENDED. | | |
| Salary | $700 00 | |
| Drugs, etc. | 50 00 | |
| | | $750 00 |

No appropriation having been made by the State for the inspection of cattle this year, it has been omitted. Provision having been made for the coming year, this inspection will be begun at once, and will continue until next May. I have examined horses in twenty cases where glanders and farcy were suspected, and ordered eleven of them quarantined and killed.

It is a rather curious fact that one man died with glanders in this city during the past year.

During this year unusual care has been taken in keeping clean the watering-places in the city, and in my opinion this has had the effect of decreasing the disease during that period.

Under the Act of June 30, 1894, requiring all slaughtering establishments to be licensed and inspected, I have inspected the only two which exist in the city. At one, 2,864 calves were slaughtered, of which 164 were condemned as too young, and at the other 120 beeves were slaughtered. The greater part of these were cows which had been examined and tested, and had the state brand upon them.

The horses owned by the city have been free from any enzoötic, and are in a healthy condition. I have made 327 visits at the various departments of the city having horses under their charge, and have examined twenty horses for soundness.

Respectfully submitted,

CHARLES E. HADCOCK, M. D. V.,
*Inspector of Provisions, etc.*

# REPORT OF THE COMMITTEE ON SOLDIERS' AID.

The Committee on Soldiers' Aid submits to the City Council its report for the year ending November 30, 1895: —

| | |
|---|---|
| The amount paid as regular State Aid was | $12,198 50 |
| The amount paid to indigent soldiers and sailors was | 1,902 00 |
| The amount paid as soldiers' relief was | 5,987 00 |
| The amount paid for the burial of deceased indigent or friendless soldiers or sailors was | 525 00 |
| The amount paid to the clerk and agent employed in the examination of settlements, etc., was | 900 00 |
| Printing and stationery | 74 70 |
| Aid by cities and towns | 55 90 |
| Board and care of sundry persons | 1,397 51 |
| Car tickets | 15 00 |
| Fuel | 32 30 |
| Sundry supplies | 72 00 |
| Total | $23,159 91 |

| | |
|---|---|
| The amount received from the Commonwealth was | $14,375 97 |
| The amount received from other towns and cities was | 378 44 |
| For sundry authorized payments which were not paid | 95 00 |
| | $14,849 41 |

There are now upon the State Aid list 254 persons, and upon the list of indigent soldiers and sailors 17. The number of persons upon the soldiers' relief list is 76.

All of which is respectfully submitted.

PETER F. ROURKE,
RUSSELL BRADFORD,
JAMES A. WOOD,
PETER P. BLEILER,
CHAS. P. KEITH,

*Committee on Soldiers' Aid.*

# REPORT OF THE COMMISSIONER ON HARVARD, WEST BOSTON, CRAIGIE'S, AND PRISON POINT BRIDGES.

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*To the Honorable the City Council of the City of Cambridge: —*

The Commissioner for Harvard, West Boston, Craigie's and Prison Point Bridges submits for himself and associate the twenty-fifth annual report of the matters pertaining to West Boston and Craigie's Bridges, and the nineteenth annual report on Prison Point Bridge, and the fourth annual report on Harvard Bridge.

### Harvard Bridge.

The roadway has been replanked for the entire length of the bridge with two-inch spruce plank, costing $3,161.00.

It will be necessary to do this work every year.

The West End Street Railway Company replanked the space between their tracks with three-inch spruce, which makes a much smoother surface for travel than the two-inch plank did, which was formerly there.

The asphalt sidewalks are in poor condition, and are to be relaid next summer by the contractors at their expense, in accordance with the terms of the contracts, which require them to keep the sidewalks in good repair for five years and to furnish bonds for so doing.

The iron work on this bridge is in bad condition from rust. It will have to be painted in 1896.

The men employed on the bridge have done all the cleaning without extra cost to the two cities.

They also clean all the lamps and make all ordinary small repairs.

### West Boston Bridge.

In October, the bridge near the draw on the Cambridge side commenced settling. It was found that the piles in three bents, or sections, had settled about 5 inches and were still going down. Twelve new piles were driven; five in one section, four in another, and three in another. The work was done from the top of the bridge, taking one side at a time, by placing a scow on the outside of the bridge with an engine on it, with the pile driver on the bridge. The work was done without interruption to travel, and without frightening horses as it would have done if the engine had been placed on the bridge in the usual manner.

After driving piles from above, the work was finished under the bridge by bolting extra girder caps to the piles that were driven. Sixty-six braces, 3x10 spruce, 20 and 25 feet long, were firmly secured to piles distributed in different bents.

The wheel guard on both sides of the draw, the entire length, has been renewed with hard pine timber. On the side of the wheel guard, an iron plate 4 inches wide, 5-8 inches thick, has been bolted to the timber for the whole length of the draw, to protect the wood work and to keep teams from injuring the draw.

This bridge is very weak in places. It has to bear a great strain when the ice is breaking up in the spring. Next year it will need a thorough repairing and possibly more piles driven.

When this bridge was rebuilt, it was not expected there would be such an amount of travel as there is at the present time, especially such heavy teaming and such heavy electric cars. The spaces between bents of piles are 18 and 19 feet, when they should be not more than 16 feet.

The men on the bridge do the ordinary repairs, looking after the cleaning, keep the machinery for moving the draw in good condition, the engine house clean, and do all painting of wood and iron work on the draw and house.

The bridge has been watered with salt water.

The West End Street Railway Company relaid their tracks the entire length of the bridge in October, and, in so doing, relaid the paving on the sides of the rails in a satisfactory manner.

### Canal or Craigie's Bridge.

The sidewalk on the south side of the Cambridge end should have been rebuilt this year, but as there was not a sufficient appropriation to do the work in a thorough manner, it has been temporarily repaired. It will be necessary to rebuild it next year.

The piles on the Cambridge end have been in place about 100 years. They are now very much decayed on the upper part, where the salt water does not reach them. The piles in four bents have been pieced out, and new hard pine girders and trusses have been firmly bolted to them.

The ordinary repairs have been made, such as painting and sheathing the draw, cleaning roadway and sidewalks, repairs on boiler and machinery to move the draw.

The above work has been attended to by the men on the bridge. The bridge has been watered with salt water.

### Prison Point Bridge.

The draw on this bridge is in very bad condition. It is almost impossible to raise it. It is not proposed to expend much money on the bridge at the present time, as the grade crossing of the Boston & Maine Railroad at this point is to be abolished. A commission has been appointed, and the proposed changes include a new highway bridge and draw built at a higher grade. It is expected that the work will be completed within three years.

The ordinary repairs have been attended to, such as planking and sheathing draw, etc.

### In General.

The usual statement is appended, of the number of the draw openings and the number of vessels which passed through, also table showing traffic over bridges in September.

The amount of revenue received for rents, dockage, repairs to West End Street Railway Company's tracks, etc., during the year, has been $2,103.70 ; and one half has been paid to the City of Boston.

Respectfully submitted,

WILLIAM J. MARVIN,

*Bridge Commissioner for Cambridge, and Harbor Master on Charles and Miller's Rivers and Broad Canal.*

December 16, 1895.

## Statement Showing Traffic on Bridges.

| Date, 1895, Sept. 17. | Bridges. | Foot Passengers. | Teams. | Car Passengers. | Bicycles. |
|---|---|---|---|---|---|
| 6 A. M. | Canal | 5,816 | 6,036 | 13,949 | 141 |
| to | Harvard | 2,140 | 2,818 | 12,491 | 2,005 |
| 7 P. M. | Prison Point | 1,946 | 1,952 | | |
| | West Boston | 4,837 | 3,558 | 21,510 | 162 |
| | Total | 14,739 | 14,364 | 47,950 | 2,308 |

Cars 6 A. M. to midnight.

Allowing one person for team, and one for bicycle, would make the whole number of people passing over the four bridges in the time given above, 79,361.

Number of times the draw in Canal, Harvard, Prison Point and West Boston Bridges has been opened, and the number of vessels which have passed through, for the year ending Nov. 30, 1895: —

| Date. | Canal. | | Harvard. | | Prison Point. | | West Boston. | |
|---|---|---|---|---|---|---|---|---|
| December 1, 1894, to November 30, 1895. | Number of Draw Openings. | Number of Vessels Passing Through. | Number of Draw Openings. | Number of Vessels Passing Through. | Number of Draw Openings. | Number of Vessels Passing Through. | Number of Draw Openings. | Number of Vessels Passing Through. |
| December, 1894 | 314 | 447 | 212 | 232 | 35 | 47 | 145 | 253 |
| January, 1895 | 103 | 148 | 12 | 18 | 25 | 32 | 23 | 34 |
| February, " | 32 | 48 | 6 | 6 | 2 | 3 | 11 | 13 |
| March, " | 158 | 217 | 32 | 49 | 14 | 19 | 60 | 88 |
| April, " | 445 | 417 | 110 | 148 | 24 | 36 | 132 | 210 |
| May, " | 394 | 476 | 81 | 120 | 23 | 31 | 119 | 178 |
| June, " | 406 | 558 | 122 | 176 | 27 | 37 | 207 | 372 |
| July, " | 443 | 539 | 207 | 262 | 41 | 53 | 262 | 388 |
| August, " | 410 | 440 | 208 | 270 | 10 | 10 | 287 | 441 |
| September, " | 387 | 425 | 136 | 167 | 26 | 36 | 230 | 321 |
| October, " | 421 | 441 | 257 | 298 | 52 | 73 | 242 | 355 |
| November, " | 337 | 459 | 153 | 195 | 37 | 55 | 175 | 298 |
| | 3,850 | 4,615 | 1,536 | 1,941 | 316 | 432 | 1,893 | 2,951 |

# REPORT OF THE CHIEF ENGINEER OF THE FIRE DEPARTMENT.

---

Chief Engineer's Office, City Hall,
Cambridge, December 26, 1895.

*To His Honor the Mayor and the City Council:—*

Gentlemen:—In compliance with the provisions of Section 6 of the ordinance governing the Fire Department, I herewith present my annual report for the fiscal year ending November 30, 1895, being the seventeenth annual report I have had the honor of presenting to the Honorable the City Council.

### Manual Force.

Since the last report the strength of the force has been increased by the appointment of four permanent men, and eight call men, who were assigned to Engine No. 7, which is located in the new house, on Main Street, Lower Port. The company was put in commission on the 17th day of June.

During the year one member of the force died, and two were discharged. The total force of the department, at the present time, consists of forty-three permanent men, and eighty-four call men, there being four vacancies in the call force.

### Apparatus.

On the 12th day of January, a contract was made with the Manchester Locomotive Works, of Manchester, N. H., to build a second-size "Amoskeag" engine to be numbered seven. The engine was built, and delivered in this city, as per agreement, on the fifth day of March. It is of the latest improved construction and capable of discharging seven hundred gallons of water per minute. A contract was also made with the Abbot-Downing Co., of Concord, N. H., on the eleventh day

of March, for the construction of a fuel-wagon, and a hose-wagon. The former was delivered May 18, and the latter July 3, and with the engine were located in the new house, on Main Street, Lower Port.

During the year it was found necessary to send Engines Nos. 3 and 1 to the repair shop. On making an examination as to their condition, it was found that both engines needed new boilers and other repairs in order to put them in thorough condition, the former giving out in July, and the latter in September. The cost of repairs was $2,250.00.

In the case of the relief engine, which also gave out in September, I would renew my previous recommendations that the engine be disposed of, and that a third-size engine be purchased. This engine was put in service in August, 1864. Its parts are badly worn, and in my opinion would not warrant the expense it would require to repair it. The remaining apparatus is generally in good order, with the exception of Engine No. 4, and Hose-carriage No. 4. The engine will soon have to be sent to the repair shop, as the boiler has now gone beyond the usual time for renewal, it having been in service nearly ten years. In the case of the hose-carriage, which has been in service since May 28, 1869, I would recommend that it be replaced with a hose-wagon.

### Hose.

During the year 1,800 feet of two-and-one-half-inch cotton rubber-lined hose were purchased and 150 feet condemned. There are now 13,150 feet of serviceable hose in the department, some of which it will be necessary to replace with new hose the coming year.

There are also 700 feet of one-inch rubber and 300 feet of one-and-one-half-inch cotton chemical engine hose in use.

### Hydrants.

Since my last report the hydrant service has been greatly improved by the extending of pipes and the relaying of larger ones, and the locating of additional hydrants. Also by the replacing of a number of the old flush hydrants with those of the post pattern.

The total number of hydrants now available for fire purposes is 867.

### Horses.

During the year seven horses were purchased, two sold, two disposed of on account of lameness, in exchange for other horses, and one died.

There are now thirty-five horses in the department, that number being requisite to do the work. They are, with few exceptions, in good condition.

### Houses.

The new engine house on Main Street, Lower Port, built for the accommodation of Engine Company No. 7, was completed and turned over to this department on May 24.

The houses in use by this department are generally in good condition.

I would again call attention to the necessity of providing a suitable place at Engine House No. 5, Inman Square, for the keeping of a wagon and coal to be used in case of fire in that district.

### Appropriations and Expenditures.

The amount appropriated at the beginning of the year for use of this department was $78,500.00, since which additional appropriations amounting to $3,672.00 were made to meet the demands. The principal items of expenditures are as follows: —

| | |
|---|---|
| Services of members | $60,389 26 |
| Apparatus, new | 5,028 74 |
| Apparatus, repairs of | 2,881 76 |
| Hay, grain and straw | 3,292 65 |
| Hose and repairs | 1,980 96 |
| Horses | 1,670 00 |
| Fuel | 1,636 15 |
| Gas and electric light | 992 60 |
| Horse hire and men (extra) | 748 50 |
| Horse-shoeing | 717 00 |
| Harnesses, and repairs of | 611 12 |
| Furniture and bedding | 419 35 |
| Other expenses | 1,803 90 |
| | $82,171 99 |

| | | |
|---|---|---|
| Appropriation | $78,500 00 | |
| Additional appropriations | 3,672 00 | |
| | | $82,172 00 |
| Expenditures | | 82,171 99 |
| Balance unexpended | | $ 01 |

### Fires and Alarms.

The whole number of fires and alarms was 220, exceeding the number for 1894, by one alarm. Of this number 168 were bell alarms, including 1 second and 2 general alarms, and 52 still alarms. Three of the alarms were for fires out of the city.

The most serious fire during the year, as regards a money loss, was the one which originated in the rear part of Rawson & Morrison's machine shop, Nos. 29-31 Main Street, on the morning of May 23, and which extended to the adjoining buildings of the Damon Safe and Iron Works Co., which were totally destroyed, causing a loss to the owners and occupants of the buildings of $92,184.00.

The whole loss by fire for the year, as near as could be ascertained, together with the insurance and the amount of insurance paid, was as follows: —

| | Losses. | Insurance. | Insurance Paid. |
|---|---|---|---|
| On Buildings | $80,038 07 | $328,855 00 | $75,352 07 |
| On Contents | 118,965 97 | 294,933 99 | 90,046 40 |
| Total | $199,004 04 | $623,788 99 | $165,398 47 |

### Appointments, Discharges and Transfers.

*Engine Company No. 1.*

Captain Daniel E. Shea was appointed driver April 30.

Edward F. Conroy was appointed hoseman June 11.

John McCarthy, driver, was transferred to Engine Company No. 7, June 16.

Lieut. John L. Jones, Jr., and hoseman Thomas H. Kneeland were appointed captain and lieutenant, respectively, July 1.

*Engine Company No. 2.*

Warren H. Dow, hoseman, resigned December 31.

Charles A. Cairns, hoseman, was appointed assistant engineman April 30, and assigned to Engine Company No.6.

Thomas Wiseman, engineman, and John H. Walker, driver, were transferred to Engine Company No. 7, the latter as assistant engineman.

*Engine Company No. 3.*

Assistant engineman William H. Cairns was appointed engineman April 23, and assigned to Engine Company No. 2.

George A. Garrity, hoseman, was appointed lieutenant June 11, and assigned to Engine Company No. 7.

Dennis F. Courtney was appointed hoseman, June 11.

*Engine Company No. 4.*

Patrick F. Brosnahan was appointed hoseman June 11.

Captain William J. Hanna was discharged October 22, for a violation of section 1 of article 20 of the rules and regulations for the government of the Fire Department.

Lieutenant George F. Tibbetts and hoseman Daniel McCaughin, were appointed captain and lieutenant, respectively, November 22.

*Engine Company No. 5.*

Thomas F. O'Connell, driver, was transferred to Engine Company No. 7.

*Engine Compang No. 6.*

Lieutenant William F. Stearns was appointed captain June 11, and assigned to Engine Company No. 7.

Sidney Smith was appointed hoseman June 11.

Charles A. Blair, assistant engineman, was transferred to Engine Company No. 3, June 16.

John H. Robbins, hoseman, was appointed lieutenant July 1.

*Engine Company No. 7.*

Joseph A. Wood, Dennis R. Sullivan, Edward Clark, and Johh J. O'Callahan were appointed hosemen June 11.

*Chemical Engine Company No. 1.*

William Haley, driver, was transferred to Chemical Engine Company No. 2.

*Chemical Engine Company No. 2.*

Charles R. Hooker, driver, was transferred to Engine Company No. 5, June 16.

*Ladder Company No. 1.*

William R. Mitchell, ladderman, was transferred to Engine Company No. 2 as hoseman, February 1.

John D. Shea and Arthur G. McArthur were appointed laddermen June 11.

James E. Bligh and Thomas A. Montgomery, laddermen, were transferred to Engine Company No. 7, as hosemen, June 16.

*Decease of a Member.*

The department has had occasion to deplore the death of one of its members the present year, a bereavement which carried sadness to the hearts of all.

Mr. Joseph W. Hopkins, driver of Ladder Carriage No. 3, while in the stable on the morning of July 9 was kicked by one of the horses in his charge. The injuries which he received caused his death on July 12.

The deceased was esteemed for his many good qualities, and his death has caused a void in the company with which he was connected.

**Casualties.**

William Stolba, of Ladder Company No. 1, severely strained his back while working at a fire March 31. He was unable to do fire duty for 21 days.

John H. Robbins, hoseman of Engine Company No. 6, severely strained his back by falling on his door-steps, while responding to an alarm of fire on February 13. Off duty 5 days.

Thomas Mimnaugh, driver of Ladder Carriage No. 2, severely sprained his knee while exercising his horses on March 18. He was off duty 34½ days.

Frank McGrath, hoseman of Engine Company No. 3, broke a bone in his ankle while working at a fire October 5. He has been unable to perform fire duty since that time.

On three occasions during the year the fire department was called upon to extinguish fires in dwellings which were caused by the upsetting of lighted kerosene oil lamps, and which also caused the death of three persons by their clothes catching fire. Their names and addresses are as follows: —

Mrs. Sarah Corkery, 64 Plymouth Street, fatally burned on December 18, 1894.

Mrs. Mary Grady, 204 Third Street, fatally burned on September 29.

Mrs. Mary Connor, 110 Gore Street, burned to death on November 26.

## Conclusion.

In closing this report I desire to acknowledge the prompt and valuable assistance rendered by the Boston Fire Department at the burning of the Damon Safe and Iron Works, on May 23, and also at the fire in the machine shop of the Boston & Maine Railroad Co., Western Division, on September 21.

To the Somerville Fire Department my acknowledgments are due for the timely assistance rendered at the fire on May 23.

Respectfully submitted,

THOMAS J. CASEY,

*Chief Engineer.*

# APPENDIX.

## ROLL OF OFFICERS AND MEMBERS.

### Engineers.

| Name. | Rank. | Age. | Residence. |
|---|---|---|---|
| *Permanent Force.* | | | |
| Thomas J. Casey..... | Chief Engineer..... | 62 | 449 Cambridge Street |
| *Call Force.* | | | |
| Nathaniel W. Bunker.... | Dist. Chief Engineer | 52 | 2101 Massachusetts Ave. |
| Charles W. Brackett..... | " " " | 59 | 133 Mt. Auburn Street |
| William B. Cade..... | " " " | 61 | 27 Park Street |
| *Permanent Force.* | | | |
| James M. Casey..... | Chief's Driver ..... | 31 | 775 Cambridge Street |

### Engine Company No. 1.

*House, Brattle Square.*

| No. of Badge. | Name. | Rank. | Age. | Residence. |
|---|---|---|---|---|
| | *Permanent Force.* | | | |
| 1 | Edward E. Priest.... | Engineman ..... | 58 | 96 Winthrop Street |
| 31 | Daniel E. Powers.... | Asst. Engineman | 36 | 37 Ash Street |
| 2 | Hiram W. Hooker.. | Driver of Engine | 56 | Engine House |
| 28 | Daniel E. Shea ..... | Driver of Hose.... | 39 | 54 Banks Street |
| | *Call Force.* | | | |
| 27 | John L. Jones, Jr... | Captain..... | 44 | 209 Green Street |
| 29 | Thos. H. Kneeland.. | Lieutenant..... | 32 | 17 Eliot Street |
| 25 | James Jefferson.. .... | Hoseman ..... | 42 | 9 Eliot Street |
| 97 | William H. Perry.... | " ..... | 33 | 139 Mt. Auburn Street |
| 30 | John W. Johnston.. | " ..... | 25 | 115 River Street |
| 23 | J. Joseph Corcoran | " ..... | 35 | 34 Ash Street |
| 26 | Walter E. Chapman | " ..... | 28 | 52 Boylston Street |
| 117 | Edward F. Conroy.. | " ..... | 24 | 259 Mt. Auburn Street |

## Engine Company No. 2.

*House, Massachusetts Avenue.*

| No. of Badge. | Name. | Rank. | Age. | Residence. |
|---|---|---|---|---|
| | *Permanent Force.* | | | |
| 41 | William H. Cairns.. | Engineman ..... | 32 | 28 Suffolk Street |
| 80 | Jno. H. McDermott | Asst. Engineman | 45 | 11 Dodge Street |
| 114 | Angus H. McDonald | Driver of Engine | 25 | 58½ Franklin Street |
| 6 | Albert F. Sawyer.... | Driver of Hose.. | 52 | 14 Sidney Street |
| | *Call Force.* | | | |
| 32 | James Cunningham | Captain ..... . | 53 | 25 State Street |
| 33 | Arthur C. Day..... | Lieutenant ..... | 58 | 47 Austin Street |
| 35 | Benjamin D. Foss.. | Hoseman ..... | 59 | 21 Cherry Street |
| 37 | John Haley..... | " ..... | 41 | 344 Massachusetts Ave. |
| 88 | Charles H. Cutting | " ..... | 42 | 6 Harold Place |
| 40 | George F. Donovan | " ..... | 26 | 54 Sidney Street |
| 78 | William R. Mitchell | " ..... | 42 | 77 Plympton Street |

## Engine Company No. 3.

*House, Third Street.*

| No. of Badge. | Name. | Rank. | Age. | Residence. |
|---|---|---|---|---|
| | *Permanent Force.* | | | |
| 7 | Hiram Blood..... | Engineman..... .. | 63 | 40 Fifth Street |
| 62 | Charles H. Blair..... | Asst. Engineman | 34 | 239 Hampshire Street |
| 8 | Peter F. McSorley.. | Driver of Engine | 36 | 33 Fourth Street |
| 49 | Patrick J. Hayes..... | Driver of Hose.... | 32 | 92 Gore Street |
| | *Call Force.* | | | |
| 42 | Walter Baker ..... | Captain..... | 41 | 91 Gore Street |
| 48 | John F. Brassel ..... | Lieutenant ..... | 39 | 261 Portland Street |
| 45 | Eliot E. Alley..... | Hoseman..... | 59 | 73 Thorndike Street |
| 46 | Timothy J. Mahoney | " ..... | 47 | 346 Vine Street |
| 15 | Patrick F. Dunlea.. | " ..... | 34 | 331 Vine Street |
| 115 | Frank McGrath ..... | " ..... | 31 | 47 Willow Street |
| 16 | Thos. H. McCourt.. | " ..... | 24 | 201 Charles Street |
| 116 | Dennis F. Courtney | " ..... .. | 26 | 231 Charles Street |

## Engine Company No. 4.

*House, Massachusetts Avenue, near Russell Street.*

| No. of Badge. | Name. | Rank. | Age. | Residence. |
|---|---|---|---|---|
| | *Permanent Force.* | | | |
| 10 | John E. Ricker..... | Engineman ..... | 51 | 2101 Massachusetts Av. |
| 55 | Jeremiah O'Connor | Asst. Engineman | 37 | 2 Olive Place |
| 11 | George E. Muzzey.. | Driver of Engine | 53 | 28 Russell Street |
| 12 | Sylvanus G. Griffin.. | Driver of Hose.... | 48 | 6 Sycamore Street |
| | *Call Force.* | | | |
| 50 | George F. Tibbetts.. | Captain..... | 55 | 4 Tenney Street |
| 51 | Daniel McCaughin.. | Lieutenant..... | 35 | Rear 5 Russell Street |
| 56 | Josiah P. Parsons .. | Hoseman ..... | 47 | 17 Regent Street |
| 54 | George F. Durgin.... | " ..... | 27 | 12 Regent Street |
| 53 | Redmond M. Burke | " ..... | 26 | 37 Jackson Street |
| 57 | John F. Henderson | " ..... | 26 | 51 Reed Street |
| 105 | Pat'k F. Brosnahan | " ..... | 26 | 140 Rindge Ave. |

## Engine Company No. 5.

*House, Inman Square.*

| No. of Badge. | Name. | Rank. | Age. | Residence. |
|---|---|---|---|---|
| | *Permanent Force.* | | | |
| 13 | Charles E. Conner.. | Engineman ..... | 44 | 1337 Cambridge Street |
| 9 | Lorenzo H. Dale..... | Asst. Engineman | 52 | 104 Otis Street |
| 3 | Charles R. Hooker.. | Driver of Engine | 50 | 9 Springfield Street |
| 68 | James H. Furfey .... | Driver of Hose.... | 38 | 59 Prince Street |
| | *Call Force.* | | | |
| 59 | Francis P. Scanlan.. | Captain..... | 49 | 1343 Cambridge Street |
| 64 | William T. King..... | Lieutenant..... | 39 | 100½ Hampshire Street |
| 61 | Geo. W. McIntire.... | Hoseman ..... | 41 | 70 Inman Street |
| 67 | Geo. P. Banister..... | " ..... | 35 | 46 Clark Street |
| 66 | James H. McGrath.. | " ..... | 38 | 1072 Cambridge Street |
| 60 | George W. Stevens.. | " ..... | 29 | 1307 Cambridge Street |
| 104 | Charles Barney..... | " ..... | 33 | 1307 Cambridge Street |
| 63 | G. W. Montgomery.. | " ..... | 35 | 40 Hampshire Street |

## Engine Company No 6.

*House, River Street.*

| No. of Badge. | Name. | Rank. | Age. | Residence. |
|---|---|---|---|---|
| | *Permanent Force.* | | | |
| 98 | J. Lewis Howe..... | Engineman ..... | 42 | 184 River Street |
| 87 | Charles A. Cairns.... | Asst. Engineman | 29 | 402 Main Street |
| 38 | Chas. H. Chapman.. | Driver of Engine | 42 | 156 River Street |
| 34 | William Parks..... | Driver of Hose.... | 51 | 208 River Street |
| | *Call Force.* | | | |
| 24 | John H. Brown..... | Captain..... | 44 | 206 River Street |
| 101 | John H. Robbins .... | Lieutenant..... | 40 | 78 Franklin Street |
| 100 | John E. Savage ..... | Hoseman ..... | 41 | 13 Dodge Street |
| 102 | Melvin A. Priest..... | " ..... | 38 | 16 Fairmont Street |
| 73 | Charles H. Waite.... | " ..... | 49 | 45 Auburn Street |
| 106 | James P. Welsh..... | " ..... | 32 | 32 Brookline Street |
| 75 | Charles A. Olson .... | " ..... | 28 | 346 Massachusetts Ave. |
| 123 | Sidney Smith..... | " ..... | 24 | 65½ Western Avenue |

## Engine Company No. 7.

*House, Main Street, Cor. Deacon Street.*

| No. of Badge. | Name. | Rank. | Age. | Residence. |
|---|---|---|---|---|
| | *Permanent Force.* | | | |
| 4 | Thomas Wiseman .. | Engineman ..... | 51 | 416 Main Street |
| 5 | John H. Walker..... | Asst. Engineman | 66 | 85 Winsor Street |
| 85 | Thos. F. O'Connell | Driver of Engine | 33 | 51 Ninth Street |
| 36 | John McCarthy..... | Driver of Hose.... | 45 | 34 Mt. Auburn Street |
| | *Call Force* | | | |
| 103 | William F. Stearns.. | Captain..... | 30 | 431 Main Street |
| 93 | George A. Garrity.. | Lieutenant..... | 34 | 5 Pioneer Street |
| 109 | James E. Bligh..... | Hoseman ..... | 24 | 23 Willow Street |
| 108 | T. A. Montgomery.. | " ..... | 31 | 46 Cherry Street |
| 124 | Joseph A. Wood..... | " ..... | 33 | 79 Hampshire Street |
| 126 | Dennis R. Sullivan.. | " ..... | 24 | 35 Harvard Street |
| 125 | Edward Clark..... | " ..... | 27 | 234 Winsor Street |
| 127 | John J. O'Callahan.. | " ..... | 26 | 150 Hampshire Street |

## Chemical Engine Company No. 1.

*House, Western Avenue.*

| No. of Badge. | Name. | Rank. | Age. | Residence. |
|---|---|---|---|---|
| | *Permanent Force.* | | | |
| 17 | Lewis C. Clark..... | Engineman ..... | 51 | 10 Western Avenue |
| 82 | James F. McCabe.... | Asst. Engineman | 33 | 39 Green Street |
| 99 | John H. Dardis..... | Driver ..... | 25 | 66 Pleasant Street |

## Chemical Engine Company No. 2.

*House, Lexington Avenue.*

| No. of Badge. | Name. | Rank. | Age. | Residence. |
|---|---|---|---|---|
| | *Permanent Force.* | | | |
| 94 | George W. Butler .. | Engineman ..... | 53 | 171 Lake View Avenue |
| 58 | William H. Barrow | Asst. Engineman | 26 | 182 Lake View Avenue |
| 18 | William Haley..... | Driver ..... | 47 | 133 Lexington Avenue |

## Ladder Company No. 1.

*House, Eliot Square.*

| No. of Badge. | Name. | Rank. | Age. | Residence. |
|---|---|---|---|---|
| | *Permanent Force.* | | | |
| 22 | John T. McNamee.. | Captain..... | 40 | 49 Mt. Auburn Street |
| 19 | Albert S. Benson .... | Driver..... | 52 | 52 Boylston Street |
| | *Call Force.* | | | |
| 70 | Thomas H. Donlan.. | Lieutenant..... | 34 | Ladder House No. 1 |
| 74 | James W. Irwin..... | Ladderman ..... | 40 | 66 Boylston Street |
| 77 | William Stolba ..... | " ..... | 38 | 17 DeWolfe Street |
| 79 | Edward P. Donahue | " ..... | 38 | 1 Willard Street Ct. |
| 72 | Joseph E. Burke..... | " ..... | 32 | 7 Mill Street |
| 71 | William H. Poole.... | " ..... | 37 | 150 River Street |
| 65 | Augustine B. Osborn | " ..... | 36 | 99 Mt. Auburn Street |
| 14 | Wm. H. Buchanan .. | " ..... | 27 | 8 Eliot Street |
| 107 | William H. Hanson.. | " ..... | 28 | 359 Winsor Street |
| 121 | John D. Shea..... | " ..... | 24 | 5 Dyke Street |
| 122 | Arthur G. McArthur | " ..... | 23 | 53 Magee Street |

## Ladder Company No. 2.

*House, Portland Street.*

| No. of Badge. | Name. | Rank. | Age. | Residence. |
|---|---|---|---|---|
| | *Permanent Force.* | | | |
| 43 | Wm. F. Newman | Captain | 49 | 42 Winter Street |
| 20 | Thomas Mimnaugh | Driver | 42 | 34 Warren Street |
| | *Call Force.* | | | |
| 81 | James F. Dalton | Lieutenant | 56 | 17 Squires Court |
| 91 | Lincoln E. Wheeler | Ladderman | 51 | 48 Cherry Street |
| 90 | Albert Smith | " | 41 | 3 Suffolk Street |
| 84 | John B. Maguire | " | 36 | 148 Bridge Street |
| 95 | Louis J. Stanger | " | 39 | 275 Vine Street |
| 96 | Louis J. Anshelm | " | 35 | 55 Hampshire Street |
| 86 | James H. Skehan | " | 25 | 4 Washington Street |
| 89 | John J. Balfe | " | 24 | 34 Porter Street |
| 110 | James P. O'Neil | " | 28 | 96 Fifth Street |
| 111 | Jeremiah F. Hayes | " | 29 | 106 Spring Street |
| 112 | Charles H. Leddy | " | 35 | 89 Gore Street |

## Ladder Company No. 3.

*House, Massachusetts Avenue.*

| No. of Badge. | Name. | Rank. | Age. | Residence. |
|---|---|---|---|---|
| | *Permanent Force.* | | | |
| 21 | Thomas L. Hunter | Captain | 55 | 407 Massachusetts Ave. |
| 47 | Ecurie J. Ouimette | Tillerman | 32 | 456 Massachusetts Ave. |
| 44 | Cutter L. Vose | Driver | 27 | 2 Pleasant Place |
| | *Call Force.* | | | |
| 69 | Charles Emerson | Lieutenant | 50 | 5 Kinnaird Street |
| 76 | Charles A. Sharon | Ladderman | 47 | Rear 13 Pine Street |
| 113 | William Johnson | " | 34 | 12 Springfield Street |
| 118 | Wm. C. Richardson | " | 27 | 8 Perry Street |
| 119 | Robt. J. Ballantine | " | 35 | 25 Hancock Street |

## FIRES AND ALARMS.

### From December 1, 1894, to December 1, 1895.

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DECEMBER.

Monday, Dec. 3, 5.40 p. m. Still.

No. 516 Massachusetts Avenue, owned by Hovey heirs. Occupied by W. C. Sinclare as dwelling. No loss. Cause, soot in chimney taking fire.

Tuesday, Dec. 4, 9.44 p. m. Box 21.

Allston Street. Cause, false alarm given by some malicious person.

Friday, Dec. 7, 4.35 p. m. Box 83.

No. 180 Brattle Street, owned by W. M. Richardson. Loss, $145. Insurance, $9,000. Occupied by W. M. Richardson as dwelling. Loss, $541. Insurance, $3,000. Cause, lighted lamp igniting drapery.

Saturday, Dec. 8, 9.32 a. m. Box 48.

No. 122 Line Street, Somerville.

Wednesday, Dec. 12, 8.12 p. m. Box 14.

No. 606 Cambridge Street, owned by J. H. McCaffrey. Loss, $215. Insurance, $1,500. Occupied by William Bartlett as printing office. Loss, $1,049. Insurance, $2,500. Originated amongst waste paper. Cause, unknown.

Thursday, Dec. 13, 10.30 a. m. Still.

No. 500 Cambridge Street, owned by Sarah Hadley. Occupied by J. H. Gibson as furniture store. No loss. Cause, soot in chimney taking fire.

Saturday, Dec. 15, 9.25 p. m. Still.

No. 519 Massachusetts Avenue, owned by C. A. B. James. Loss, $15. Insurance, $2,000. Occupied by Charles James as grocery. Originated on the outside of building. Cause, gasoline lamp taking fire.

Monday, Dec. 17, 9.20 p. m. Box 64.

No. 2 Berkeley Place, owned by Mrs. S. N. Hinkley. Loss, $155. Insurance, $3,500. Occupied by Mrs. S. N. Hinkley as dwelling. Originated in an attic chamber. Cause, explosion of a kerosene lamp.

Tuesday, Dec. 18, 3.03 p. m. Box 29.

No. 64 Plymouth Street, owned by W. J. Griffiths. Loss, $30. Insurance, $2,500. Occupied by P. J. Corkery as dwelling. Loss, trifling. Originated on second floor. Cause, lamp falling upon the stove and the oil igniting.

Thursday, Dec. 20, 4.45 p. m. Box 14.

Sixth Street. Cause, false alarm given by boys.

Sunday, Dec. 23, 10.37 a. m. Still.

Rear 77 Elm Street. Cause, steam mistaken for fire.

Monday, Dec. 24, 8.40 a. m. Box 134.

No. 232 Prospect Street, owned by Mrs. B. A. Farwell. Loss, $240. Insurance, $2,500. Occupied by Mrs. B. A. Farwell as dwelling. Loss, trifling. Originated in the L. Cause, defective chimney.

Tuesday, Dec. 25, 10.36 p. m. Box 75.

No. 57 Wicklow Street, owned by John White. Loss, $78. Insurance, $1,000. Occupied by John White as dwelling. Loss, $212. Insurance, $500. Originated in a bedroom on second floor. Cause, unknown.

Thursday, Dec. 27, 9.37 a. m. Box 6.

No. 17 Main Street. Alarm given because of the blowing over of a chimney.

Saturday, Dec. 29, 10.34 a. m. Box 6.

No. 161 Main Street, owned by William Black. Loss, $25. Insurance, $1,000. Occupied by Michael Connors as dwelling. Loss, $50. No insurance. Originated in a bureau drawer on second floor. Cause, unknown.

Sunday, Dec. 30, 10.22 a. m. Box 83.

No. 3 Channing Street, owned by M. L. Richards. Loss, $9,000. Insurance, $10,000. Occupied by R. F. Richards as dwelling. Loss, $6,647. Insurance, $7,000. Occupied by A. F. Richards as dwelling. Loss, $1,841. Insurance, $2,000. Originated on first floor. Cause, overheated furnace pipes.

Sunday, Dec. 30, 2.18 p. m. Box 63.

Willard Street, owned by R. H. Dana. Occupied by D. P. Shea as stable. Loss, trifling. Cause, an overheated stove pipe setting fire to a partition.

Sunday, Dec. 30, 9.21 p. m. Box 56.

No. 1689 Cambridge Street, owned by D. D. Patten. Loss, $750. Insurance, $2,500. Occupied by D. D. Patten as dwelling. Loss, $500. Insurance, $1,000. No. 1691 Cambridge Street, owned by J. E. Phelan. Loss, $200. Insurance, $2,500. Occupied by M. A. Carpenter as dwelling. Loss, $60. Insurance, $800. Originated in No. 1689. Cause, overheated furnace pipes.

Monday, Dec. 31, 10.34 a. m. Box 14.

No. 666 Cambridge Street, owned by Charles Linehan. Loss, $511. Insurance, $1,500. Occupied by Henry Stahl as clothing store. Loss, $1,500. Insurance, $2,300. Cause, unknown.

Monday, Dec. 31, 8.45 p. m. Still.

No. 14 Oak Street, owned by W. L. Lockhart. Occupied by Thomas Seymour as dwelling. No loss. Cause, soot in chimney afire.

JANUARY.

Wednesday, Jan. 2, 5.43 p. m. Box 31.

No. 31 Warren Street, owned by Charles Linehan. Occupied by Edward Donovan as dwelling. Loss, trifling. Cause, breaking of a kerosene lamp.

Thursday, Jan. 3, 5.53 p. m. Box 29.

No. 54 Plymouth Street. Cause, smoke mistaken for fire.

Sunday, Jan. 6, 12.35 p. m. Box 34.

No. 51 Market Street, owned by J. H. Frawley. Occupied as a dwelling. No loss. Originated under a sink. Cause, ignition of oiled rags.

Monday, Jan. 7, 4.07 p. m. Box 26.

No. 32 Moore Street, owned by E. D. Brooks. No loss. Occupied by several families as dwellings. Originated in ashes chute. Cause, hot ashes.

Tuesday, Jan. 8, 4.55 p. m. Still.

No. 7 Porter Street, owned and occupied by John Barrett as dwelling. Cause, soot in chimney afire.

Saturday, Jan. 12, 9.13 p. m. Box 16.

No. 1 Harvard Place, owned by P. F. Rourke. Occupied by Peter Curley as dwelling. No loss. Cause, breaking of a kerosene lamp.

Sunday, Jan. 13, 2.40 p. m. Still.

Ninth Street. Freight car on tracks of Boston & Albany Railroad. Occupied by E. R. Luke & Co. as hay store. Loss, $15. No insurance. Cause, incendiary.

Monday, Jan. 14, 9.30 a. m. Still.

No. 3 Hubbard Park, owned by Gardiner Hubbard. Occupied by M. B. Morgan as dwelling. No loss. Cause, soot in chimney afire.

Thursday, Jan. 17, 3.30 p. m. Still.

No. 10 East Street, owned by Boston & Maine Railroad Co. Occupied by Patrick Murphy as dwelling. No loss. Originated in the cellar. Cause, unknown.

Monday, Jan. 21, 4.35 p. m. Still.

No. 1359 Cambridge Street, owned by C. M. Mullin heirs. Loss, $20. Insurance, $5,000. Occupied by Fred Balsor as dwelling. Originated on second floor. Cause, oil stove taking fire.

Wednesday, Jan. 23, 3 a. m. Still.

No. 33 Murray Street, owned by Alexander Millan. No loss. Occupied by John Harkins as dwelling. Originated in floor of cellar. Cause, supposed to be from sparks of tobacco pipe.

Friday, Jan. 25, 6.10 p. m. Box 41.

No. 385 Putnam Avenue, owned by Dover Stamping Co. Loss, $1,000. Insurance, $1,000. Occupied by Dover Stamping Co. as tin ware manufactory. Loss, $3,000. Insurance, $3,000. Originated on third floor. Cause, explosion of a japan oven.

Saturday, Jan. 26, 8.12 a. m. Box 63.

No. 1 Burns Court, owned by James Burns. Occupied by Margaret Corcoran as dwelling. Loss, trifling. Originated in a coat pocket. Cause, tobacco pipe.

Thursday, Jan. 31, 7.57 p. m. Box 9.

Otis Street. Owned and occupied by Irving & Casson as furniture manufactory. Loss, trifling. Originated on the fourth floor. Cause, oil stove taking fire.

## FEBRUARY.

Friday, Feb. 1, 6.42 a. m. Box 168.

No. 20 Beach Street. Owned by J. A. Kelley. Loss, $900. Insurance, $3,500. Occupied by W. H. Way as dwelling. Loss, $200. No insurance. Occupied by G. H. Cutter as dwelling. Loss, $200. No insurance. Originated in the bath room on second floor. Cause, upsetting of a kerosene lamp.

Saturday, Feb. 2, 2.05 a. m. Box 73.

Spruce Street. Owned by A. H. Garland. Loss, $2,460. Insurance, $2,500. Occupied by A. H. Garland as ice house. Loss, $1,000. No insurance. Cause, unknown.

Saturday, Feb. 2, 10.17 a. m. Box 17.

No. 37 Portland Street. Owned by Jane Olston. Occupied by J. H. Keyes as dwelling. Originated in old clothes. No loss. Cause, child and matches.

Saturday, Feb. 2, 7.24 p. m. Box 26.

No. 76 Winsor Street. Owned by H. S. Hayward. Occupied by J. C. Smith as cobbler's shop. No loss. Cause, upsetting of a kerosene lamp.

Tuesday, Feb. 5, 11.58 p. m. Box 92.

Belmont Street. Owned by Richard Gallivan. Loss, $75. No insurance. Occupied by Richard Gallivan as hot house. Loss, $325. No insurance. Cause, over-heated flue.

Wednesday, Feb. 6, 11.15 a. m. Still.

No. 231 River Street. Owned by W. A. Ward. Occupied by A. E. Cahill as dwelling. Loss, $50. Insurance, $600. Originated in bedclothes. Cause, hot brick.

Wednesday, Feb. 6, 2 p. m. Still.

No. 42 Brattle Street. Owned and occupied by the Cambridge Social Union. No loss. Cause, thawing out water pipe.

Thursday, Feb. 7, 3.17 a. m. Box 76.

No. 21 Arlington Street. Owned by J. W. Jouett. Loss, $10,000. Insurance, $10,000. Occupied by J. W. Jouett as dwelling. Loss, $4,000. Insurance, $4,000. Originated on first floor. Cause, defective fireplace.

Thursday, Feb. 7, 9.27 a. m. Box 34.

No. 76 Lincoln Street. Owned by A. E. Lynch. Loss, $50. Insurance, $3,500. Occupied by several families as dwellings. Originated in the water closet. Cause, thawing out water pipe.

Thursday, Feb. 7, 4.37 p. m. Box 63.

No. 7 Appian Way. Owned by M. T. Tolman. Occupied by Catherine Ducy as dwelling. No loss. Originated in old clothes near stove. Cause, sparks.

Saturday, Feb. 9, 4.50 a. m. Box 46.

No. 958 Massachusetts Avenue. Owned and occupied by R. A. Champlin as dwelling. No fire. Cause, explosion of hot water boiler.

Wednesday, Feb. 13, 12.05 a. m. Box 2.

No. 84 Bridge Street. Owned by David Proudfoot & Co. Loss, $1,000. Insurance, 1,000. Occupied by E. H. Tower as manufacturer of kindling wood. Loss, $1,042. Insurance, $2,000. Owned by David Proudfoot & Co. Loss,$300. Insurance, $300. Occupied by David Proudfoot & Co. as stable. Loss, $100. Insurance, $1,800.

No. 68 Bridge Street. Owned by J. S. Clary. Loss, $65. Insurance, $500. Occupied by J. S. Clary as stable. Loss, $50. Insurance, $100. Originated in kindling wood manufactory. Cause, unknown.

Friday, Feb. 15, 6.55 p. m. Still.

No. 626 Massachusetts Avenue. Owned by G. R. Southwick. Occupied by Phillips Bros. & Co. as furniture manufactory. No loss. Cause, friction of machinery.

Sunday, Feb. 17, 9.56 a. m. Box 43.

No. 21 Elmer Street. Owned by F. C. Welch. Occupied by Thomas Gough as dwelling. Loss, trifling. Originated in clothes near stove. Cause, sparks.

Thursday, Feb. 21, 8.10 a. m. Still.

No. 1223 Cambridge Street. Owned by Jeremiah Moynahan. Occupied by J. J. Colman as variety store. No loss. Originated in the cellar. Cause, paper on furnace pipe igniting and dropping into barrel of rubbish.

Thursday, Feb. 21, 4.13 p. m. Box 16.

No. 150 Broadway. Owned and occupied by Henry Thayer & Co. as manufacturers of medicine. Cause, smoke mistaken for fire.

Tuesday, Feb. 26, 3.30 p. m. Still.

No. 14 Oak Street Place. Owned by G. G. West. Loss, $30. Insurance, $3,000. Occupied by H. S. Young as dwelling. No loss. Originated in wood box near stove. Cause, unknown.

MARCH.

Saturday, March 2, 10.53 a. m. Box 14.

No. 158 Otis Street. Owned by Patrick Rafferty. Occupied by Thomas Carson as dwelling. No loss. Cause, soot in chimney afire.

Sunday, March 3, 9.57 a. m. Box 35.

No. 22 Worcester Street. Owned and occupied by Ann Shepard as dwelling. Loss, $95. Insurance, $2,500.

No. 24. Owned by C. A. Morss. Loss, $48. Insurance, $2,500. Occupied by L. H. Taylor as dwelling. No loss. Cause, overheated furnace pipe.

Sunday, March 3, 7.27 p. m. Box 6.

Main Street. Owned by M. Elston & Son. Loss, $150. Insurance, $300. Occupied by M. Elston & Son as carpenters' supplies store. Loss, $337. Insurance,$ 700. Cause, incendiary.

Sunday, March 3, 8.51 p. m. Box 43.

No. 90 Banks Street. Owned by James Reed. Loss, $60. Insurance, $500. Occupied by James Reed as manufacturer of fishing rods. Loss, $150. Insurance, $300. Cause, incendiary.

Wednesday, March 6, 5.37 p. m. Box 14.

No. 124 Gore Street. Owned by J. P. Squire estate. Occupied by James McGovern as stable. No loss. Cause, can of oil on stove taking fire.

Wednesday, March 6, 7.14 p. m. Box 6.

No. 157 Main Street. Owned by Caroline Dallinger. Occupied by John Day as dwelling. Loss, trifling. Originated in bureau drawer. Cause, unknown.

Saturday, March 9, 1.54 p. m. Box 152.

College Yard, Weld Hall. Owned by Harvard College. Loss, $100. Insurance, $35,000. Occupied by A. H. Gould as dormitory. Loss, $500. No insurance. Cause, dropping of a match into waste paper basket.

Saturday, March 9, 6.50 p. m. Box 49.

No. 2 Emmons Place. Owned and occupied by Michael Ahern as dwelling. Loss, trifling. Cause, breaking of kerosene lamp.

Sunday, March 10, 3.55 p. m. Still.

Ninth Street. Boston & Albany R. R. freight yard. Freight car. Loss, trifling. Occupied by C. L. Page & Co. as lumber yard. Loss, $25. Insurance, $25. Cause, incendiary.

Wednesday, March 13, 5.50 p. m. Box 37.

No. 32 Pleasant Street. Owned by M. J. Donovan. Loss, $265. Insurance, $8,000. Occupied by John Graham as dwelling. Loss, $75. Insurance, $1,000. Cause, upsetting of kerosene stove.

Monday, March 18, 8.50 p. m. Still.

No. 72 Boylston Street. Owned by J. R. Pettingell. Loss, trifling. Occupied by C. E. Berry as machine shop. Originated on outside of building. Cause, sparks.

Tuesday, March 19, 12 p. m. Box 2.

No. 64 First Street. Owned by W. B. Rice. Loss, $500. Insurance, $640. Occupied by Connecticut Steam Stone Co. Loss, $2,336. Insurance, $3,500. Originated near boiler. Cause, unknown.

Wednesday, March 20, 10 a. m. Still.

No. 286 Main Street. Ivers & Pond Piano Manufactory. Cause, accidental automatic alarm.

Wednesday, March 20, 6.35 p. m. Still.

No. 158 River Street. Owned by James Doherty. Occupied by Thomas Rehal as dwelling. No loss. Cause, soot in chimney afire.

Saturday, March 23, 3.22 p. m. Box 17.

Main Street. Owned by J. B. Valin. Loss, $150. Insurance, $150. Occupied by J. B. Valin as photograph wagon. Loss, $122. Insurance, $150. Cause, bottle of ether falling upon stove.

Sunday, March 24, 11.02 a. m. Box 14.

No. 58 Sixth Street. Owned by G. W. Sortwell. Loss, $5. Insurance, $1,000. Occupied by several families as dwellings. No loss. Cause, rags in chimney flue taking fire and dropping upon the floor.

Tuesday, March 26, 6.55 p. m. Box 17.

No. 63 Washington Street. Owned by A. S. Fryer. Occupied by Edward Wallace as dwelling. Loss, trifling. Cause, ignition of a curtain.

Wednesday, March 27, 8.19 a. m. Box 31.

No. 775 Cambridge Street. Owned by Nannie Shannon. Loss, $60. Insurance, $6,500. Occupied by August Pronovost as dwelling. Loss, $50. No insurance. Originated on second floor. Cause, dropping of a lighted match amongst clothes.

Friday, March 29, 1.36 a. m. Box 41.

No. 140 Pleasant Street. Owned by P. D. Collins. Loss, $85. No insurance. Occupied by John Spiller as grocery. Loss, $250. Insurance, $200. Cause, dropping of a lighted hanging lamp.

Saturday, March 30, 5.09 p. m. Box 6.

No. 166 Main Street. Owned by Cambridgeport Savings Bank. Loss, trifling. Occupied by James McQuiggin as dwelling. Cause, children playing with fire.

Sunday, March 31, 4.16 p. m. Box 271.

No. 2314 Massachusetts Avenue. Owned by F. W. Wardwell. Loss, $3,725. Insurance, $12,500. Occupied by F. W. Wardwell as dwelling. Loss, $5,200. Insurance, $9,500. Originated on second floor. Cause, overheated furnace pipes.

APRIL.

Tuesday, April 2, 12.57 a. m. Box 49.

No. 25 Hovey Avenue. Owned by American Electric Lead Works. Loss, $435. Insurance, $1,250. Occupied by American Electric Lead Works. Loss, $2,500. Insurance, $10,000. Originated on first floor. Cause, spontaneous combustion.

Sunday, April 7, 11.56 a. m. Box 57.

No. 105 Hammond Street. Owned by C. R. Grovestein as dwelling. Cause, smoke mistaken for fire.

Sunday, April 7, 7.42 p. m. Box 45.

No. 348 Green Street. Owned by M. Osborn, et al. Occupied by Louis Alary as dwelling. No loss. Cause, lighting fire with kerosene oil.

Thursday, April 18, 3.10 a. m. Box 52.

No. 404 Green Street. Owned by S. M. Boyson. Loss, $150. Insurance, $150. Occupied by D. J. O'Brien as stable. Loss, $700. Insurance, $900. Cause unknown.

Thursday, April 18, 8.24 p. m. Box 64.

No. 64 Wallace Street. Owned by M.N. Stearns. Occupied by J. F. Crosby as dwelling. Loss, trifling. Originated in a trunk. Cause, dropping of a lighted match.

Friday, April 19, 3.42 p. m. Box 54.

College Yard. Originated in a pile of old lumber, in rear of Lawrence Scientific School. Loss, trifling. Cause, unknown.

Friday, April 19, 8.15 p. m. Box 6.

No. 7 Baldwin Place. Owned by Baldwin heirs. Occupied by Joseph Cornwell as dwelling. Loss, trifling. Cause, breaking of a kerosene lamp.

Monday, April 22, 10.17 a. m. Box 35.

No. 24 Worcester Street. Owned by C. A. Morss. Occupied by L. H. Taylor as dwelling. Loss, trifling. Originated in a bedroom. Cause, child and matches.

Monday, April 22, 11.17 a. m. Box 2.

No. 22 Bridge Street. Owned by B. G. Smith, trustee. Occupied by J. M. Wood as lumber shed. No loss. Originated on the roof. Cause, sparks from chimney.

Tuesday, April 23, 2.34 p. m. Box 63.

Mt. Auburn Street. Cause, grass burning. Alarm needless.

Friday, April 26, 1.12 a. m. Box 31.

No. 522 Winsor Street. Owned by Bridget McCabe. Loss, $200. No insurance. Occupied by C. J. Dolan as storage for barrels and stable. Loss, $367. Insurance, $600.

Cambridge Street. Owned by Great White Spirits Co. Loss, $130. Insurance, $14,000. Occupied by great White Spirits Co. cooper shop. Loss, $415. Insurance, $14,500. Originated in stable. Cause, unknown.

Friday, April 26, 11.48 a. m. Box 56.

Frances Avenue. Cause, grass burning.

Monday, April 29, 3.47 p. m. Box 35.

No. 67 Norfolk Street. Owned by Patrick Burns. Loss, $25. Insurance, $2,800. Occupied by F. J. Nugent as dwelling. Loss, trifling. Cause, ignition of a bottle of naphtha.

MAY.

Wednesday, May 1, 1 p. m. Still.

No. 483 Massachusetts Avenue. No loss. Cause, soot in chimney afire.

Friday, May 3, 8.43 a. m. Box 216.

Sixth Street. Owned and occupied by Boston Bridge Works. Loss, trifling. Originated in the floor. Cause, hot ashes from forge.

Friday, May 3, 2.20 p. m. Still.

No. 19 Follen Street. No loss. Cause, soot in chimney afire.

Friday, May 3, 9.21 p. m. Box 31.

No. 8 Jefferson Street. No loss. Cause, soot in chimney afire.

Saturday, May 4, 3.52 p. m. Box 62.

No. 5 Hilliard Street. Owned by George Waters. Occupied by Louis Papanti as dwelling. No loss. Cause, oil stove taking fire.

Saturday, May 4, 10.57 p. m. Box 62.

No. 125 Mt. Auburn Street. Owned by J. P. Delaney. Loss, $511. Insurance, $8,000. Occupied by Annie Flood as dressmaker. Loss, $176. Insurance, $200. Cause, upsetting of a kerosene lamp.

Tuesday, May 7, 8.16 a. m. Box 34.

No. 27 Elm Street. Cause, burning shavings. Alarm needless.

Tuesday, May 7, 8.39 p. m. Box 41.

No. 35 Somersett Street. Owned by M. L. McNamee. Occupied by Milton Brown as dwelling. No loss. Cause, upsetting of a kerosene lamp.

Saturday, May 11, 1.25 p. m. Still.

No. 64 Antrim Street. Owned by B. A. Browne. Loss, $48. Insurance, $2,500. Occupied by A. B. Browne as dwelling. Loss, $111. Insurance, $2,000. Cause, gas jet igniting curtain.

Saturday, May 11, 10.50 p. m. Still.

No. 154 Green Street. Cause, smoke mistaken for fire.

Thursday, May 16, 5.40 p. m. Still.

Murray Street. Cause, burning old railroad sleepers.

Thursday, May 16, 10.01 p. m. Box 48.

No. 77 Oak Street. Fire in Somerville.

Friday, May 17, 6.25 p. m. Box 63.

Dinsmore Court. Cause, burning rubbish. Alarm needless.

Friday, May 17, 7.11 p. m. Box 228.

No. 174 Broadway. Owned by M. E. Walker. Occupied by C. L. Page & Co. as box factory. Loss trifling. Cause, dust over boiler taking fire.

Friday, May 17, 8.30 p. m. Still.

Beech Street. Owned by St. James' Church Society. Loss, $125. Insurance, $2,250. Occupied by St. James' Church Society. Loss, $195. Insurance, $600. Originated in the attic. Cause, unknown.

Monday, May 20, 8.10 a. m. Box 46.

No. 924 Massachusetts Avenue. Owned and occupied by H. L. Chase as dwelling. Loss, $41. Insurance, $2,000. Originated in the L. Cause, hot ashes in barrel.

Monday, May 20, 12.20 p. m. Box 39.

No. 307 Pearl Street. Owned and occupied by Uriah Butland as dwelling. Loss, trifling. Cause, kerosene stove taking fire.

Thursday, May 23, 1.15–1.28 p. m. Box 6.

Nos. 17 to 27 Main Street. Owned by Damon Safe & Iron Works. Loss' $23,930. Insurance, $27,450. Occupied by Damon Safe & Iron Works. Loss, $28,971. Insurance, $28,971. Occupied by W. W. Field as machinist. Loss, 5,000. Insurance, $4,000. Occupied by Stephenson Mattress machine Co. Loss, $1,283. Insurance, $1,000. Occupied by Sweet-Hutcherson Co. Loss, $12,000. No insurance. Occupied by George Woods as manufacturer of bicycles. Loss, $8,000. No insurance.

Nos. 27 and 29 Main Street. Owned by Rawson & Morrison. Loss, $5,000. Insurance, $6,000. Occupied by Rawson & Morrison as Machinists. Loss, $8,000. Insurance, $18,000. Originated in rear of Rawson & Morrison's shop. Cause, unknown.

Friday, May 24, 5.43 p. m. Box 6.

No. 222 Main Street. Manure pile burning in rear of Hugh Stewart & Co.'s carriage manufactory.

Sunday, May 26, 4.20 a. m. Box 14.

No. 461 Cambridge Street. Owned by J. H. McCormack. Loss, $250. Insurance, $2,500. Occupied by Rebecca French as dwelling. Loss, $30. No insurance. Originated in a closet on 2d floor. Cause, unknown.

Friday, May 31, 8.19 p. m. Box 28.

No. 179 Broadway. Owned by O. S. Bullock. Loss, $177. Insurance, $2,000. Occupied by O. S. Bullock as machinist. Loss, $134. Insurance, $2,000. Originated in the boiler room. Cause, unknown.

Friday, May 31, 9.22 p. m. Box 16.

Main Street. Owned by West End Street Railway Co. Loss, trifling. Cause, incendiary.

JUNE.

Friday, June 7, 8.24 p. m. Box 16.

No. 222 Main Street. Old paper and straw afire in yard. Cause, unknown.

Sunday, June 9, 6.40 p. m. Box 59.

No. 7 Palmer Street. Owned by W. L. Whitney. No loss. Building was unoccupied. Originated amongst rubbish on first floor. Cause, supposed by rats and matches.

Monday, June 10, 10.11 a. m. Box 56.

No. 23 Irving Street. Cause, smoke mistaken for fire.

Wednesday, June 12, 4 p. m. Still.

Thorndike Street. H. M. Sawyer & Son, oil clothes manufactory. Cause, accidental automatic alarm.

Sunday, June 16, 7.14 a. m. Box 2.

Prison Point Street. Owned and occupied by Boston & Maine Railroad Co. as oil room. No loss. Originated in oiled waste. Cause, spontaneous combustion.

Monday, June 17, 9.20 a. m. Still.

Murray Street. Owned by J. M. Hilton. Loss, trifling. Occupied as dwelling. Originated on the roof. Cause, fire-crackers.

Monday, June 17, 9.30 a. m. Still.

No. 348 Cambridge Street. Owned by E. H. Blake. Occupied by Mary E. Riley as dwelling. Cause, pot of burning meat on stove.

Monday, June 17, 10.08 a. m. Box 52.

No. 1106 Massachusetts Avenue. Owned by W. H. Wentworth. Loss, $75. Insurance, $4,000. Occupied by E. M. Hayden as dwelling. Originated on the roof. Cause, fire-crackers.

Monday, June 17, 11.53 a. m. Box 52.

No. 1106 Massachusetts Avenue. Cause, re-kindling of fire.

Monday, June 17, 2.55 p. m. Still.

No. 7 Western Avenue. Owned by S. J. Kelley. Occupied by Kelley & McKinnon as carpenter shop. No loss. Originated under the building. Cause, fire-crackers.

Monday, June 17, 4.20 p. m. Still.

Murray Street. Owned by J. M. Hilton. Loss, trifling. Occupied as dwelling. Originated on the roof. Cause, fire-crackers.

Monday, June 17, 7.15 p. m. Still.

Richdale Avenue. Owned by C. P. Cummings. Loss, trifling. Originated in a pile of lumber. Cause, incendiary.

Wednesday, June 19, 1.45 a. m. Box 12.

Bridge Street. Passenger car owned by Meigs Elevated Railroad Construction Co. Loss, trifling. Cause, unknown.

Thursday, June, 20, 8.07 p. m. Box 26.

State Street. Owned and occupied by M. E. Rideout & Co. as shaving room. Loss, trifling. Cause, unknown.

Monday, June 24, 4.10 p. m. Still.

No. 376 Prospect Street. Owned by C. J. Litchfield and used as stable. No loss. Unoccupied. Cause, set afire by boys.

Tuesday, June 25, 4 p. m. Box 212.

No. 72 Main Street. Owned by Edward Kendall & Sons. Loss, trifling. Cause, ignition of japan in an iron tank used for dipping iron pipe.

Saturday, June 29, 3.13 a. m. Box 72.

No. 29 Reed Street. Owned by John McDonnell. Loss, $300. Insurance, $300. Unoccupied stable. Cause, incendiary.

JULY.

Wednesday, July 3, 11.35 p. m. Box 32.

No. 1066 Cambridge Street. Owned by Thomas Devens. Loss, $200. Insurance, $10,000. Occupied by A. J. Pacifico as variety store. Loss, $890. Insurance, $1,000. Originated in rear room of store. Cause, supposed by fire crackers.

Thursday, July 4, 2.20 a. m. Box 6.

Rear of Main Street. Cause, bonfire on dump. Alarm needless.

Thursday, July 4, 3 a. m. Box 45.

Franklin Street. Cause, bonfire in the street. Alarm needless.

Thursday, July 4, 3.20 a. m. Box 14.

No. 612 Cambridge Street. Owned by J. H. McCaffrey. Occupied by A. P. Armstrong as fruit store, etc. Loss, trifling. Originated in the cellar. Cause, unknown.

Thursday, July 4, 2.14 p. m. Box 14.

Rear of 467 Cambridge Street. Owned by Daniel Hagan estate. Loss, $15. Insurance, $2,000. Occupied as dwelling. Originated on the roof. Cause, fire-crackers.

Thursday, July 4, 4.42 p. m. Box 169.

Sargent Street. Owned and occupied by John Murphy as dwelling. Loss, trifling. Originated on roof of L. Cause, fire-crackers.

Thursday, July 4, 9.16 p. m. Box 24.

No. 70 Brookline Street. Owned by Cambridgeport Savings Bank. Originated in a dilapidated dwelling. No loss. Cause, incendiary.

Friday, July 5, 9.32 p. m. Box 28.

Broadway. Cause, false alarm given by some malicious person.

Saturday, July 6, 2.12 p. m. Box 12.

No. 223 Bridge Street. Owned by J. P. Squire estate. No loss. Unoccupied. Cause, set afire by children.

Monday, July 8, 7.56 p. m. Box 428.

No. 33 Hampshire Street. Owned and occupied by Boston Woven Hose & Rubber Co. as brass foundry. Loss, trifling. Originated in the roof. Cause, sparks.

Thursday, July 11, 9 a. m. Still.

Rear of 260 Cambridge Street. Owned by Trinity M. E. Church. Occupied by C. E. Spalding as dwelling. No loss. Cause, kerosene stove taking fire.

Friday, July 12, 5.58 p. m. Box 6.

No. 72 Main Street. Owned by Edward Kendall & Sons. Loss, trifling. Cause, ignition of japan in an iron tank used for dipping iron pipe.

Thursday, July 18, 6.57 p. m. Box 7.

No. 211 Third Street. Owned by Hiram Leonard. No loss. Unoccupied dwelling. Originated on the outside of the building. Cause, children and matches.

Friday, July 19, 4.25 p. m. Box 17.

No. 77 Hastings Street. Owned by John Matherson. Loss, $15. Insurance, $900. Occupied by Samuel Wilson as dwelling. Loss, $25. Insurance, $600. Originated in a bed-room. Cause, child and matches.

Friday, July 19, 7.44 p. m. Box 26.

No. 325 Main Street. Owned by G. M. Rogers estate. Loss, $25. Insurance, $6,000. Occupied by F. E. McFarland as dwelling. Loss, $55. Insurance, $1,000. Cause, lamp shade taking fire.

Friday, July 19, 9.52 p. m. Box 134.

Hampshire Street. City Yard. Owned and occupied by the City of Cambridge as paint shop. Loss, trifling. Originated on the outside of the building, in a box. Cause, incendiary.

Tuesday, July 23, 4 p. m. Still.

No. 188 Third Street. Owned by J. S. Buck. Occupied as dwelling. Loss, trifling. Originated on the roof. Cause, sparks from steam roller.

Friday, July 26, 6.10 p. m. Box 54.

No. 20 Oxford Street. Cause, grass and fence afire.

AUGUST.

Friday, Aug. 2, 1.05 p. m. Still.

No. 55 Harvard Street. Occupied by Caswell Johnson as dwelling. No loss. Cause, pot of meat on stove taking fire.

Tuesday, Aug. 6, 6.03 p. m. Box 216.

Ninth Street. Boston & Albany R. R. freight yard. Car of hay, consigned to Merrill & Glazier. Loss, $140. Insurance, $140. Cause, incendiary.

Tuesday, Aug. 6, 7.40 p. m. Still.

Ninth Street. Boston & Albany R. R. freight yard. Car partly loaded with shorts. Owned by E. R. Luke & Co. Loss, trifling. Cause, incendiary.

Saturday, Aug. 10, 3.23 p. m. Box 24.

Pacific Street. Owned by G. W. Clapp. Loss, $125. Insurance, $125. Occupied by G. W. Clapp as manufacturer of solderine. Loss, $125. Insurance, $125. Cause, unknown.

Tuesday, Aug. 13, 12.40 a. m. Still.

No. 60 Main Street. Owned and occupied by G. W. Hayden as brass foundry. Loss, slight. Cause, floor igniting from overheated chimney.

Tuesday, Aug. 13, 5.54 p. m. Box 23.

No. 42 Pearl Street. Owned by John Brewster estate. Loss, $445. Insurance, $3,000. Occupied by G. F. Gustin et al. Loss, $100. No insurance. Originated in the basement. Cause, kerosene stove taking fire.

Tuesday, Aug. 13, 10.28 p. m. Box 17.

Harvard Street. Owned and occupied by Geo. G. Page Box Co. as lumber yard. No loss. Cause, incendiary.

Thursday, Aug. 15, 2.49 p. m. Box 12.

Foot of Third Street. Owned by Boston & Maine Railroad Co. as bridge. Loss, trifling. Cause, set afire by children.

Thursday, Aug. 15, 8.37 p. m. Box 41.

No. 30 Prince Street. Occupied by W. F. Durgan as dwelling. Loss, trifling. Cause, breaking of a lighted kerosene lamp.

Sunday, Aug. 18, 10.10 a. m. Box 32.

No. 134 Elm Stret. Owned by C. F. O'Laughlin. Loss, $12. Insurance, $10,000. Occupied by Patrick Harrington as dwelling. Loss, $175. Insurance, $900. Originated in a clothes closet. Cause, unknown.

Sunday, Aug. 18, 10.31 p. m. Box 16.

No. 145 Broadway. Owned and occupied by Sylvester Tower as manufacturer of piano keys and action. Loss, trifling. Cause, ignition of oiled waste.

Monday, Aug. 19, 8.05 a. m. Box 7.

No. 198 Third Street. Owned by E. D. McSweeney. Occupied by Union Bottling Co. No loss. Cause, upsetting of a kerosene stove.

Tuesday, Aug. 20, 8.10 p. m. Box 212.

No. 72 Main Street. Owned by Edward Kendall & Sons. Loss, trifling. Cause, ignition of japan in an iron tank used for dipping iron pipe.

Wednesday, Aug. 21, 12.30 p. m. Still.

No. 77 Thorndike Street. Occupied by Frederick Taft as dwelling. Loss, slight. Cause, kerosene stove taking fire.

Friday, Aug. 23, 9.09 a. m. Box 121.

No. 345 Brookline Street. Owned by James McBerney. Loss, trifling. Occupied by C. W. Herbst as dwelling. Loss, $15. No insurance. Cause, child setting curtain afire.

Saturday, Aug. 24, 11.40 a. m. Box 23.

No. 102 Pearl Street. Owned by J. P. Squire estate. Occupied by A. S. Drinkwater as dwelling. No loss. Originated in the basement. Cause, kerosene stove taking fire.

Saturday, Aug. 24, 7.51 p. m. Box 32.

No. 424 Columbia Street. Occupied by Thomas Marley as dwelling. Loss, trifling. Cause, child setting curtain afire.

Sunday, Aug. 25, 2.18 p. m. Still.

No. 1066 Cambridge Street. Owned by Thomas Devens. Loss, trifling. Occupied by A. J. Pacifico as variety store. Loss, $90. Insurance, $1,000. Cause, soot in chimney taking fire and igniting wood-work around the flue.

Sunday, Aug. 25, 4.20 p. m. Still.

No. 13 Douglass Street. Owned by Lamson estate. Loss, $20. Insurance, $3,000. Occupied by John Wilson as dwelling. Loss, $28. Insurance, $1,000. Originated in a lounge. Cause, child and matches.

Monday, Aug. 26, 12.21 p. m. Box 24.

Foot of Pacific Street. Car of lime on tracks of Boston & Albany Railroad Co. Loss, $50. Insurance, $50. Cause, incendiary.

Thursday, Aug. 29, 6.20 p. m. Box 114.

No. 54 Ninth Street. Owned by John Geopper. Occupied by John Holberg as dwelling. No loss. Originated in the cellar amongst rubbish. Cause, children and matches.

Saturday, Aug. 31, 7.40 p. m. Still.

Harvard Bridge. Cause, electric light wires igniting planking. No loss.

SEPTEMBER.

Monday, Sept. 2, 7.15 p. m. Still.

Ninth Street. Freight yard, Boston & Albany Railroad. Car of lumber. Loss, trifling. Cause, incendiary.

Wednesday, Sept. 4, 4.16 p. m. Box 59.

No. 25 Church Street. Owned by Morrill Wyman. Loss, $130. Insurance, $3,000. Occupied by Morrill Wyman as office, and by J. A. Ruggli as dwelling. Loss, trifling. Originated in the office in a closet. Supposed to have been caused by mice and matches.

Wednesday, Sept. 4, 5 p. m. Box 16.

No. 81 Broadway. Owned by Fisk heirs. Occupied by several families as dwellings. Loss, slight. Originated on the roof. Cause, sparks.

Friday, Sept. 6, 11.16 a. m. Box 36.

Massachusetts Avenue. Cause, smoke mistaken for fire.

Saturday, Sept. 7, 6.30 p. m. Still.

Sidney Street. Cause, burning rubbish on dump.

Saturday, Sept. 7, 9.10 p. m. Still.

No. 10 Appian Way. Owned and occupied by S. H. Noon as stable. Loss, slight. Originated on the roof. Cause, sparks.

Sunday, Sept. 8, 2.10 p. m. Still.

Ninth Street. Freight yard of Boston & Albany Railroad Co. Car of hay consigned to E. R. Luke & Co. Loss on hay, $139. Insurance, $139. Loss on car, $50. Insurance, $50. Cause, incendiary.

Wednesday, Sept. 11, 12.12 p. m. Box 61.

No. 104 Mt. Auburn Street. Owned by E. A. Chapman heirs. Loss, $100. Insurance, $6,000. Occupied by Sophia Humphreys as dwelling. Loss, slight. Originated in the L. Cause, burning sulpher to fumigate.

Saturday, Sept. 14, 1 p. m. Box 24.

Foot of Pacific Street. Car of lumber on tracks of Boston & Albany Railroad. Loss, slight. Cause, set afire by boys.

Saturday, Sept. 14, 6.20 p. m. Still.

Ninth Street. Freight yard of Boston & Albany Railroad Co. Car of hay consigned to E. R. Luke & Co. Loss on car, $40. Insurance, $40. Loss on hay, $100. Insurance, $100. Cause, incendiary.

Saturday, Sept. 14, 9.21 p. m. Box 35.

Harvard Street. Owned and occupied by City of Cambridge as school house. Loss, $350. No insurance. Loss on contents, trifling. Originated in the attic. Cause, unknown.

Sunday, Sept. 15, 7.11 p. m. Box 21.

Waverly Street. Owned by Howe heirs. No loss. The building is in a dilapidated condition, and was formerly used as a dwelling. Cause, incendiary.

Monday, Sept. 16, 9.50 p. m. Box 31.

No. 12 Harding Street. Cause, burning rubbish in yard. Alarm needless.

Tuesday, Sept. 17, 9.46 a. m. Box 27.

No. 105 Clark Street. Owned by T. E. Cunningham. Occupied by J. W. Douglass as dwelling. Loss, slight. Originated amongst old papers in the cellar. Cause, child and matches.

Tuesday, Sept. 17, 2.35 p. m. Box 87.

Concord Avenue. Owned by John and Philip Doherty. Loss, $800. No insurance. Occupied by Philip Doherty as dwelling. Loss, $200. No insurance. Originated on the roof. Cause, sparks from a locomotive.

Thursday, Sept. 19, 6.51 p. m. Box 4.

Medford Street, Somerville. Fire in the hog-shed of the North Provision & Packing Co.

Saturday, Sept. 21, 9.11 p. m. Box 2.

Rear of Prison Point Street. Owned by Boston & Maine Railroad Co. Loss, $3,997. Insurance, $19,700. Occupied by Boston & Maine Railroad Co. as store-house and machine shop. Loss, $5,000. Insurance, $127,300. Originated in charcoal in the store-house. Cause, unknown. A portion of the Boston Fire Department rendered valuable assistance.

Thursday, Sept. 26, 9.11–9.13 a. m. Box 59.

No. 20 Church Street. Owned by M. J. Fairbanks. Loss, $1,870. Insurance, $5,500. Occupied by D. A. Sargent as gymnasium. Loss, $1,000. Insurance, $1,500. Occupied by Irving Blake as carriage repository. Loss, $817. Insurance, $7,476. Originated in the gymnasium. Cause, plumbers at work with a gasoline lamp.

Thursday, Sept. 26, 5.32 p. m. Box 9.

No. 17 East Street. Occupied by Holt & Bugbee as lumber-shed. No loss. Originated on the roof. Cause, sparks from a locomotive.

Friday, Sept. 27, 10.10 p. m. Box 59.

No. 14 Church Street. Cause, smoke mistaken for fire.

Sunday, Sept. 29, 7.27 p. m. Box 7.

No. 204 Third Street. Owned by Mrs. John F. Fay. Occupied by Joseph Watson as dwelling. Loss, slight. Cause, breaking of a kerosene lamp.

## OCTOBER.

Saturday, Oct. 5, 12.57–1.07. Boxes 2 and 9.

No. 81 Bridge Street. Owned by M. E. Hartwell. Loss, $1,500. Insurance, $1,200. Occupied by G. F. Smallwood as dwelling. Loss, $250. No insurance. Occupied by G. F. Smallwood, horse-shoer. Loss, $140. Insurance, $200. Occupied by Timothy Sullivan as fruit store, etc. Loss, $66. Insurance, $300.

No. 83 Bridge Street. Owned by Charles Linehan. Loss, $3,374. Insurance, $3,000. Occupied by W. F. Egan as dwelling. Loss, $250. No insurance. Occupied by John Foley as dwelling. Loss, $150. No insurance. Occupied by West End Street Railway Co. as transfer station. Loss, trifling.

No. 75 Bridge Street. Owned by Boston & Maine Railroad Co. Loss, $174. Insurance, $300. Occupied by E. A. Walsh as dwelling. Loss, $200. No insurance. Originated in an unoccupied portion of the Hartwell building, in the rear. Cause, unknown.

Saturday, Oct. 5, 1.46 p. m. Box 10.

No. 80 First Street. Owned by J. T. Scully. Occupied as dwelling. Loss, slight. Originated on the roof. Cause, sparks from Bridge Street fire.

Saturday, Oct. 5, 2.25 p. m. Box 168.

Nos. 73–75 Crescent Avenue. Owned by Francis Pelkey. Loss, $342. Insurance, $800. Occupied by Francis Pelkey as broom manufactory. Loss, $1,000. Insurance, $3,500. Originated on the roof. Cause, sparks from a locomotive.

Saturday, Oct. 5, 5.50 p. m. Box 15.

Ninth Street. Freight yard of the Boston & Albany Railroad Co. Car of hay consigned to Merrill & Glazier. Loss, $58. Insurance, $58. No loss on car. Cause, incendiary.

Saturday, Oct. 5, 11.54 p. m. Box 216.

Ninth Street. Owned and occupied by American Rubber Co. as rubber goods manufactory. Loss, trifling. Cause, oiled waste placed in door-way, on outside of building, and ignited by an incendiary.

Saturday, Oct. 12, 11.44 a. m. Box 12.

No. 258 Bridge Street. Owned and occupied by Charles Linehan as wagon shed. Loss, slight. Cause, boys setting fire to rubbish in shed.

Monday, Oct. 14, 9.47 p. m. Box 81.

Mt. Auburn Street. Owned by City of Cambridge. No loss. The building was, by order of the Park Commissioners, being torn down. Cause, incendiary.

Saturday, Oct. 19, 2.58 p. m. Box 242.

Western Avenue. Owned by Cambridge Electric Light Co. Loss, $300. Insurance, $3,000. Occupied by Cambridge Electric Light Co. as coal shed. Loss, $1,200. Insurance, $2,500. Originated in coal. Cause, spontaneous combustion.

Saturday, Oct. 19, 3.15 p. m. Box 43.

No. 12. Cowperthwaite Street. Owned by Louisa Ramhofer. Loss, $20. Insurance, $1,800. Occupied as dwelling. Originated on the roof. Cause, sparks.

Tuesday, Oct. 22, 2.20 p. m. Still.

No. 169 Otis Street. Cause, barrel of rubbish burning in the yard.

Wednesday, Oct. 23, 1.55 p. m. Box 212.

No. 72 Main Street. Owned and occupied by Edward Kendall & Sons. No loss. Cause, ignition of japan in an iron tank used for dipping iron pipe.

Saturday, Oct. 26, 11.45 a. m. Box 49.

No. 90 Ellery Street. Owned by F. H. Whitman as unoccupied stable. Loss, trifling. Originated on the roof. Cause, sparks from burning rubbish.

Monday, Oct. 28, 3.38 p. m. Box 6.

No. 5 Potter Street. Owned and occupied by Michael Collins as dwelling. Loss, trifling. Originated in a bureau drawer where matches were carelessly kept.

Wednesday, Oct. 30, 2.38 p. m. Box 121.

No. 318 Pearl Street. Owned by R. S. Perry. Loss, $722. Insurance, $3,000. Occupied by R. S. Perry as dwelling. Loss, $239. Insurance, $500. Originated in a closet in the attic of the L. Cause, supposed to have been by mice and matches.

Wednesday, Oct. 30, 10.10 p. m. Box 14.

No. 674 Cambridge Street. Owned by Charles Linehan. Loss, $251. Insurance, $1,500. Occupied by J. W. Flynn as variety store. Loss, $425. Insurance, $600. Originated under the counter. Cause, unknown.

NOVEMBER.

Friday, Nov. 1, 3.37 p. m. Box 71.

No. 47 Clay Street. Owned by Annie Gustafson. Loss, $200. Insurance, $3,000. Occupied by Joseph Rouleaux as dwelling. Loss, $45. Insurance, $300. Originated on second floor and extended to roof. Cause, ignition of wood-work around chimney.

Tuesday, Nov. 7, 9.15 a. m. Still.

No. 50 Beacon Street. Dwelling. In Somerville.

Monday, Nov. 11, 6.15 a. m. Still.

No. 44 Orchard Street. Owned by A. E. Hall. Loss, $26. Insurance, $5,000. Occupied by C. W. Fuller as dwelling. Loss, $45. Insurance, $1,000. Cause, hot ashes.

Monday, Nov. 11, 7.19 p. m. Box 29.

No. 19 Vandine Street. Owned by J. W. Hammond. Loss, $505. Insurance, $600. Occupied by Patrick Finley as stable. Loss, $2,379. Insurance, $3,500. Occupied by F. J. Coulter as stable. Loss, $608. Insurance, $1,400. Occupied by Peter Edmonds as stable. Loss, $140. Insurance, $200. Originated in the carriage room. Cause, unknown.

Thursday, Nov. 14, 7.25 a. m. Still.

Richdale Avenue. Grass burning. Cause, sparks from locomotive.

Tuesday, Nov. 19, 9.58 p. m. Box 134.

Hampshire Street. Cause, false alarm given by some malicious person.

Tuesday, Nov. 19, 10.27 p. m. Box 13.

No. 104 Gore Street. Owned by E. A. Kennedy. Loss, $175. Insurance, $250. Occupied by H. R. Gray as stable. Loss, $560. Insurance, $1,000. Originated in a stall amongst straw. Cause, unknown.

Wednesday, Nov. 20, 1.40 p. m. Still.

Harvard Street. Old Cambridge Baptist Church. Cause, smoke mistaken for fire.

Wednesday, Nov. 20, 8.39 p. m. Box 149.

Kirkland Street. Cause, false alarm given by some malicious person.

Friday, Nov. 22, 7.53 p. m. Box 39.

Magazine Street. Cause, false alarm given by some malicious person.

Friday, Nov. 22, 8.53 p. m. Box 29.

No. 27 1-2 Webster Avenue. Owned by P. F. Rourke. Loss, trifling. Occupied as dwelling. No loss. Cause, defective chimney.

Friday, Nov. 22, 9.10 p. m. Box 135.

Harvard Street. Cause, false alarm given by some malicious person.

Saturday, Nov. 23, 3.34 p. m. Box 12.

No. 223 Bridge Street. Owned by estate of J. P. Squire. No loss. Unoccupied. Cause, set afire by children.

Sunday, Nov. 24, 11.01 p. m. Box 26.

Brooks Street. Owned by E. D. Brooks. Loss, trifling. Occupied by O. G. Petterson as bakery. Loss, $75. Insurance, $2,000. Originated in floor near the oven. Cause, over-heated.

Wednesday, Nov. 27, 5.07 p. m. Box 13.

No. 110 Gore Street. Owned by Charles Linehan. Loss, $25. Insurance, $2,000. Occupied by Mrs. Mary Connor as dwelling. Loss, $35. No insurance. Cause, upsetting of a lighted kerosene lamp.

Saturday, Nov. 30, 2.18 a. m. Box 59.

No. 30 Boylston Street. Owned by estate of William Read. Loss, $322. Insurance, $6,000. Occupied by L. L. Powers as furniture store. Loss, $2,781. Insurance, $2,000. Originated on third floor. Cause, unknown.

Saturday, Nov. 30, 7.55 p. m. Box 17.

Near Harvard Street. Car of hay on tracks of Boston & Albany Railroad Co. Hay owned by Merrill & Glazier. Loss, $60. Insurance, $40. No loss on car. Cause, incendiary.

# REPORT OF THE CHIEF OF POLICE.

*To His Honor the Mayor, and the City Council of the City of Cambridge:—*

GENTLEMEN: — In compliance with the City Ordinance, I the honor to present my annual report of the work of the Police Department for the year ending November 30, 1895.

The whole number of arrests for the year has been three thousand one hundred and eighty (3,180), against three thousand one hundred and forty-seven (3,147) last year.

| | |
|---|---|
| Males | 2,965 |
| Females | 215 |
| Adults | 2,651 |
| Minors | 529 |

The offences for which arrests have been made are as follows: —

| | |
|---|---|
| Adultery | 12 |
| Assault and battery | 138 |
| Assault, felonious | 15 |
| Assault of officer | 11 |
| Assault, indecent | 1 |
| Arson | 1 |
| Attempt to break and enter | 2 |
| Attempt to commit larceny | 1 |
| Abandoning child | 1 |
| Accessory to abortion | 1 |
| Bastardy | 7 |
| Breaking and entering | 70 |
| Bigamy | 1 |
| Capias | 13 |
| Common drunkard | 5 |
| Conveying leased property | 1 |
| Common nuisance | 1 |
| Concealing mortgaged property | 1 |
| Cruelty to animals | 6 |
| Delirium tremens | 4 |
| Dipsomaniac | 2 |
| Disturbing public peace | 147 |

| | |
|---|---|
| Disturbing public meeting | 1 |
| Disorderly conduct | 2 |
| Defrauding | 1 |
| Drunkenness | 1,803 |
| Disturbance of street car | 22 |
| Discriminating against color | 1 |
| Embezzlement | 22 |
| Escaped prisoners | 11 |
| Evading car fare | 3 |
| Exposure of person | 1 |
| Fast driving | 2 |
| False pretence | 3 |
| Forgery | 3 |
| Fornication | 2 |
| Furnishing liquor to prisoner | 1 |
| Gaming, or present at | 145 |
| Insane | 15 |
| Illegal transportation | 3 |
| Illegal sale of liquor | 10 |
| Keeping liquor with intent to sell | 3 |
| Keeping unlicensed dog | 7 |
| Keeping a gaming nuisance | 3 |
| Liquor nuisance | 41 |
| Larceny | 149 |
| Larceny from building | 1 |
| Lewd and lascivious | 1 |
| Larceny from person | 3 |
| Malicious mischief | 16 |
| Manslaughter | 3 |
| Non-support | 34 |
| Neglected children | 38 |
| Neglecting to provide fire escape | 1 |
| Obtaining money by false pretence | 2 |
| Promoting policy | 5 |
| Promoting a lottery | 1 |
| Peddling without a license | 5 |
| Playing cards on the Lord's Day | 13 |
| Polygamy | 1 |
| Receiving stolen goods | 1 |
| Robbery | 15 |
| Rape | 1 |
| Safe keeping | 7 |
| Stubborn children | 11 |
| Stealing a ride | 6 |
| Suspicious persons | 13 |
| Surety of the peace | 1 |
| Selling adulterated vinegar | 4 |
| Selling by false measure | 1 |
| Threatening | 8 |

| | |
|---|---|
| Truants | 4 |
| Trespass | 21 |
| Vagrants | 29 |
| Violating city ordinances | 144 |
| Violating liquor law | 1 |
| Violating milk law | 7 |
| Violating oleomargarine law | 12 |
| Violating rules of school | 2 |
| Violating U. S. revenue law | 10 |
| Violating cigarette law | 1 |
| Walking on railroad track | 62 |

| | |
|---|---|
| Non-residents | 712 |
| Whole number of lodgers | 302 |
| Male | 298 |
| Female | 4 |
| Adults | 282 |
| Minors | 20 |
| White | 298 |
| Colored | 4 |

| | |
|---|---|
| Amount of property reported stolen | $5,284 35 |
| Amount of property reported recovered | 4,300 00 |

## Miscellaneous Business.

| | |
|---|---|
| Accidents | 125 |
| Buildings found open and secured | 428 |
| Cases investigated | 778 |
| Dangerous buildings | 3 |
| Dead bodies found | 13 |
| Defective cesspools | 58 |
| Defective drain and vaults | 2 |
| Defective gas pipes | 12 |
| Defective water pipes | 56 |
| Defective hydrants | 6 |
| Defective lamps | 1,300 |
| Defective streets and sidewalks | 993 |
| Disturbances suppressed | 204 |
| Dogs killed | 57 |
| Fire alarms given | 14 |
| Fires extinguished without alarm | 17 |
| Intoxicated persons helped home | 2 |
| Lost children restored | 210 |
| Sick and injured persons assisted | 69 |
| Stray teams put up | 63 |
| Street obstructions removed | 18 |
| Water running to waste | 53 |

## City Property in Use by Police Department.

| | |
|---|---|
| 115 badges, new | $101 80 |
| 104 badges, old | 50 00 |
| 87 belts and billies | 108 00 |
| 8 books | 26 00 |
| 3 bookcases | 20 00 |
| 8 bedsteads | 40 00 |
| Bedding and blankets | 40 00 |
| 1 buggy | 75 00 |
| 2 bureaus | 3 00 |
| 8 clocks | 25 00 |
| 80 chairs | 100 00 |
| 4 carpets | 50 00 |
| 2 copying machines | 20 00 |
| 250 copies of police rules | 40 00 |
| 11 desks | 125 00 |
| 1 easy chair (matron's) | 10 00 |
| 4 flags | 60 00 |
| 4 horses | 500 00 |
| 5 harnesses | 100 00 |
| 4 horse blankets | 12 00 |
| 4 halters | 1 00 |
| 1 hat rack | 50 |
| 6 inkstands | 3 00 |
| 36 lanterns | 27 00 |
| 1 letter scale | 75 |
| 2 lounges | 10 00 |
| 8 mirrors | 14 00 |
| 3 maps | 15 00 |
| 10 mats | 10 00 |
| 9 pairs of handcuffs | 27 00 |
| 1 police van | 300 00 |
| 3 patrol wagons | 1,000 00 |
| 3 police signal systems | 12,000 00 |
| 93 revolvers | 450 00 |
| Ropes and stakes | 10 00 |
| 3 robes (carriage) | 10 00 |
| 1 rogues' gallery | 150 00 |
| 3 saddles and bridles | 12 00 |
| 1 safe | 200 00 |
| 95 short billies | 42 50 |
| 8 spittoons | 2 00 |
| 1 sleigh | 25 00 |
| 1 stove | 8 00 |
| 2 straps and weights | 1 00 |
| 4 stretchers | 6 00 |
| *Amount carried forward* | $15,830 55 |

| | |
|---|---|
| *Amount brought forward* | $15,830 55 |
| 1 telephone line | 300 00 |
| 3 thermometers | 75 |
| 6 tables | 24 00 |
| 40 tin dippers | 9 00 |
| 25 towels | 4 00 |
| 1 typewriter | 140 00 |
| 2 umbrella stands | 2 00 |
| 1 wagon van (old) | 25 00 |
| 5 waste baskets | 1 00 |
| 4 water coolers | 30 00 |
| 1 wardrobe | 10 00 |
| 6 water pails | 1 00 |
| 2 wagon jacks | 2 00 |
| Operating table and chair | 37 50 |
| Miscellaneous | 10 00 |
| | $16,426 80 |

## Signal Systems.

The signal systems in operation in the three Police Districts are in good condition; a new cabinet for the system fitted up by the Supt. of Wires, and a new Gamewell register, have been put in Dist. 2. In the three districts during the past year there have been: —

| | |
|---|---|
| Duty calls by officers | 352,478 |
| Telephone calls | 18,590 |
| Wagon calls | 1,603 |
| Miles run | 2,676 $\frac{46}{100}$ |
| Sick and injured persons carried to hospital | 18 |
| Sick and injured persons carried home | 14 |
| To fires | 79 |
| Other runs | 128 |

## Expenditures.

| | |
|---|---|
| Books | $35 23 |
| Boarding horses | 300 00 |
| Buttons | 45 00 |
| Badges | 101 80 |
| Cambridge Gas Light Co. | 1,392 69 |
| Cambridge Electric Light Co. | 48 00 |
| Cleaning stations | 120 00 |
| *Amount carried forward* | $2,042 72 |

| | |
|---|---|
| *Amonnt brought forward* | $2,042 72 |
| Clipping horses | 15 00 |
| Cloth for department | 453 14 |
| Directories for department | 23 00 |
| Diaries for department | 57 90 |
| Desk for Station 1 | 25 00 |
| Expressing | 6 45 |
| For evidence in liquor cases | 61 10 |
| Fresh Pond Ice Co. | 26 99 |
| Hay and Grain | 401 02 |
| Horse hire | 37 00 |
| Medical attendance | 9 00 |
| Medicines | 2 10 |
| New England Telephone & Telegraph Co. | 554 20 |
| Photographs for rogues' gallery | 9 50 |
| Printing | 146 80 |
| Policemen, services of | 98,078 32 |
| Repairs on wagons | 284 87 |
| Repairs on harnesses | 13 50 |
| Repairs on revolvers | 13 06 |
| Repairs on signal system | 99 92 |
| Register for signal system, new | 150 00 |
| Repairs on boat | 5 00 |
| Salary of Chief of Police | 1,800 00 |
| Salary of Captains and Inspectors | 5,247 84 |
| Shoeing horses | 110 13 |
| Supplies for stations | 597 63 |
| Travelling expenses | 61 53 |
| Telephones for signal systems, 69 set | 251 50 |
| West End Street R. R. Co. (tickets) | 200 00 |
| Total | $110,784 22 |

| | |
|---|---|
| Appropriation and estimated revenue | $111,000 00 |
| Total cost of the department for the year | 110,784 22 |
| | $215 78 |
| Transferred to other departments | 200 00 |
| Balance unexpended | $15 78 |

| | |
|---|---|
| Expenditures | $110,784 22 |
| Receipts | 8,102 04 |
| Balance showing actual cost | $102,682 18 |

### The Force.

The organization of the force consists of a chief, three captains, one inspector, eight sergeants, eighty-two patrolmen, four drivers of patrol wagons, and two matrons.

Two sergeants and twenty-two patrolmen are on duty in the day-time: one sergeant as court officer, and one sergeant at the Public Library; one patrolman is stationed at the City Hall, one detailed as clerk at Police Headquarters, and one has charge of Police Station 4.

During the night-time there are six sergeants and sixty (60) patrolmen on duty: two patrolmen as house officers at Stations 1 and 4, two patrolmen in the wagon houses, and fifty-six (56) patrolmen divided into two reliefs.

### Changes.

During the past year one officer has been discharged for violation of the Rules and Regulations, and one officer has been appointed under the civil service rules.

### No-License Law.

A determined effort has been made to suppress the illegal sale of intoxicating liquor.

During the past year eighty (80) search warrants for liquor have been served; thirty-four (34) were convicted by the Court, and fines amounting to $1,695.00, and sentences amounting to twenty-seven (27) months, imposed.

### Uniform Cloth for the Department.

I have bought during the past year cloth to the amount of $453.14; the money received for the same has been paid to the city treasurer. There is at present cloth on hand to the value of $48.80.

### Matrons.

There have been two hundred and fifteen (215) females arrested during the past year against two hundred and thirty-nine (239) last year; all of whom have been under the care of the matrons until sent to the court.

### Recommendations.

I would respectfully recommend an increase of three officers to the department: two to be placed in District 1, Ward 5, one to be placed in District 2, making a night route on Massachusetts Avenue from Inman Street to Columbia Street, keeping that part of Massachusetts Avenue continually covered from 6 o'clock P. M. to 8 o'clock A. M.

I would also recommend the purchase of six additional signal boxes, to be placed in Districts 1 and 2.

I would further recommend the remodelling of the cell-room in Police Station 2 by taking out the old brick cells and placing in their stead the improved iron cages, thereby giving seven additional cells, which are very much needed, as it is often necessary to put two, and sometimes three, in a cell together for want of room; this change will also give much better light and ventilation as well as the additional cells.

### Conclusion.

In concluding this report I desire to extend my sincere thanks to His Honor the Mayor, for his efforts to promote the success of the department; to the members of the City Council and to all others who have given me their support and assistance.

To the members of the department I desire especially to tender my thanks for their uniform courtesy and attention to duty.

Respectfully submitted,

LOTHROP J. CLOYES,

*Chief of Police.*

# REPORT OF THE INSPECTOR OF WIRES.

CAMBRIDGE, December 1, 1895.

*To the Honorable the City Council:* —

I have the honor to submit herewith the annual report of the department for the Inspection of Wires.

The work of this department is varied, and in many cases of an exacting nature, requiring technical, legal and business knowledge. These were combined in my predecessor in office, Mr. Charles H. Morse, to whom I am indebted for much advice and information on matters relating to this department.

During the past year, the pole lines on Broadway and Prospect Street have been rebuilt, giving a much better appearance to those streets. There are still, however, many streets of this city with unnecessary poles; these, wherever possible, should be removed; this can be accomplished by having the different companies in this city use a joint pole wherever practicable.

### Fire Alarm Telegraph.

The fire alarm telegraph system of this city will compare favorably with any in this country, as it is an automatic system, it has its drawbacks. During the ensuing year, however, the Superintendent hopes to make the necessary changes as laid out by his predecessor in his report of last year.

The system is now being run from generators, and is found to be satisfactory and much cheaper than using batteries. The batteries are, however, still kept as a reserve, to be used in case of emergency and to run the system on Sundays. Arrangements have recently been made to obtain current to run motors and generators each and every day in the year. The batteries should be replaced by a smaller storage battery

system, in connection with an engine plant in the central station building itself. With this object in view, the department has rented during the past year a kerosene engine and dynamo, but found the kerosene engine unreliable. The Superintendent hopes, however, to find a suitable gas engine to do the work required.

There are many places in this city where no fire alarm box is readily accessible; two of these locations are down upon the fire alarm cards, but have not had their boxes installed as yet, for lack of sufficient appropriation. The Chief of the Fire Department and the Superintendent recommend that six boxes be installed during the coming year.

I must urge again that the appropriation should be sufficient for the ensuing year to enable this department to purchase and store sufficient apparatus to allow us to equip an emergency fire alarm central station. An expenditure of $800.00 would save several days' time in repairs, in case we should lose our central office in the Brattle Square Building.

There should be an additional tapper circuit run during the coming year, as the present tapper circuits are overloaded with instruments. This additional circuit would allow more call-men to have tappers in their houses, and thereby increase the efficiency of the Fire Department. We can then take the men's instruments off the box circuits, as these instruments are liable to be a source of trouble under the present arrangements.

There have been 166 first alarms, 1 third, and 1 general alarm sent out from the boxes during the past year. There have in addition been six still alarms received by telephone.

### Police Signal System.

The three systems in use have all done good work, and any trouble that has occurred has been remedied immediately.

During the past year, the American Bell Telephone Company's leased instruments have been replaced in the boxes by the National Telephone Company's sets, which are owned by the Police Department. This has made a large yearly saving to the Police Department. The telephones as now installed are in

series with each other when the patrol boxes are opened; this does away with the local batteries at each box, and is giving good service.

An extra register has been ordered, so that this department will be enabled to clean the regular registers without interruption to the service. It also allows us a spare register in case of a breakdown.

For the coming year, I recommend that Station 2 Table be equipped with pole changers, and the boxes connected therewith have reverse current tappers installed, to be operated by the pole changers. This will give better service than the present arrangement and the expense of the change will be small.

Thanking his Honor the Mayor and members of the City Council for the kind consideration shown me during my short term of office, I respectfully submit the annual report for the year of 1895.

CHARLES F. HOPEWELL,

*Inspector of Wires.*

# REPORT OF THE SUPERINTENDENT OF LAMPS.

OFFICE OF SUPERINTENDENT OF LAMPS,
CAMBRIDGE, December 1, 1895.

*To the Honorable the City Council:* —

I have the honor to submit herewith the annual report of the Lamp Department for the year ending November 30, 1895.

| | |
|---|---|
| The amount appropriated | $70,000 00 |
| Balance unexpended | 73 39 |

The principal amounts expended are as follows: —

| | |
|---|---|
| For arc lighting | $51,350 68 |
| Incandescent | 6,708 75 |
| Gas consumed | 6,363 25 |
| Care of lamps | 3,883 00 |
| Chimneys | 51 35 |
| Oil | 131 86 |
| Matches | 5 40 |
| Carriage hire | 14 00 |

Expenses for electric lighting have been as follows: —

**Arcs.**

| | |
|---|---|
| Amount of bills rendered | $51,513 72 |
| Amount of deduction for outages | 163 04 |
| Amount expended for arcs | $51,350 68 |

**Incandescents.**

| | |
|---|---|
| Amount of bills rendered | $6,735 75 |
| Amount of deduction for outages | 27 00 |
| Amount expended for incandescents | $6,708 75 |

The number of hours in which one or more lamps have failed to burn are: —

| | Hours. |
|---|---|
| For arc lamps | 4,076 |
| For incandescents | 2,700 |
| Total outages | 6,776 |

| | |
|---|---|
| The largest number of arc lamps in use in any one day | 448 |
| The largest number of incandescents in use in any one day | 233 |

The expense of gas lighting has been as follows: —

| | |
|---|---|
| Amount expended for gas | $6,363 25 |
| Amount expended for care of lamps | 3,507 37 |
| Cost of gas per lamp | 21 21 |
| Cost of care per lamp | 11 69 |
| Cost of care per day | 03+ |

Average number of gas lamps burned per day during the year, 300. These lamps have burned 1,070,550¼ hours, consuming 5,352,751¼ cubic feet of gas.

The average length of time each gas and oil lamp has burned per day is 9.77+ hours.

The expense of lighting with oil has been as follows: —

| | |
|---|---|
| Amount expended for oil | $131 86 |
| Amount expended for chimneys | 51 35 |
| Amounted expended for matches | 5 40 |
| Amount expended for care of lamps | 315 63 |
| Cost of chimneys per lamp | 1 90 |
| Cost of care per lamp | 11 69 |

Average number of lamps burned per day during the year, 27. Sixteen hundred and forty-one gallons of oil have been consumed, averaging 60 gallons per lamp, at an average of 7 cents per gallon.

Whole number of lamps in use November 30, 1895: —

| | |
|---|---|
| Arcs | 448 |
| Incandescents | 233 |
| Gas | 296 |
| Oil | 25 |
| Total | 1,002 |

There are now forty-two petitions for new lights before the Committee on Street Lighting. These are being carefully considered by the above committee and the superintendent. Many of the places petitioned for have been visited by the Chairman of the Committee and the Superintendent, and the remaining localities also will shortly be visited. In the opinion of the Superintendent most of the localities visited should be lighted. This will call for an increased appropriation for the ensuing year.

### Electric Lighting.

The contract with the Cambridge Electric Light Company expires on June 1, 1896. If the City does not purchase its plant this year, there must be a new contract made with the Cambridge Electric Light Company next year. It is the opinion of the Superintendent of Lamps that the price as now paid, namely, $115 per year for a 1,200-candle-power arc light and $30 per year for a 40-candle-power incandescent, is excessive. The new contract, when made, should call for a greatly reduced price in the cost of the lights.

### Gas Lights.

The contract with the Cambridge Gas Light Company expired on Nov. 15, 1894, and since then the City has had no contract with that company. They still, however, continue to furnish gas at the rate of $1.20 per thousand cubic feet.

The Welsbach burner was tried during the past year on Ware Street. This burner, although successful for house lighting, is totally unfit for street lighting, as the mantles are continually breaking and the expense of renewal is thereby prohibitive. The Gas Company would not quote the City figures on installing and maintaining the Welsbach burner.

The Superintendent has examined the new Acetylene gas. While it gives a brilliant flame and is claimed to be cheap, it is, however, liquefied and kept in steel tanks under a pressure of 750 lbs. per square inch. Until other arrangements for the supplying of the above gas are made, it does not appear to be feasible to use it.

### Oil Lamps.

The City has still 25 oil lamps in use, which is four less than last year. The only thing in their favor is their cheapness.

During the past year there has been an increase of twenty lights in the City.

To the chairman and members of the Lamp Committee I wish to extend my thanks for the courtesy shown to me during my few months of office.

Respectfully submitted,

CHARLES F. HOPEWELL,

*Superintendent of Lamps.*

# REPORT OF THE SEALER OF WEIGHTS AND MEASURES.

CAMBRIDGE, November 30, 1895.

*To the Honorable the City Council:* —

I have the honor of submitting to you the annual report of the Department of Weights and Measures.

| | | | |
|---|---|---|---|
| Amount of Appropriation | | | $1,600 00 |
| RECEIVED. | | | |
| For fees for sealing | $426 82 | | |
| For fees for weighing | 52 92 | | |
| | | $479 74 | |
| EXPENDED. | | | |
| For salaries: — | | | |
| Sealer, A. F. Roberts | $900 00 | | |
| Assistant, C. D. Kinnear | 167 50 | | |
| | | $1,067 50 | |
| Board of horse, Geo. D. Merrill | | 300 00 | |
| Harness and carriage repairing, F. Ivers & Son | | 23 60 | |
| Horse-shoeing, Gerry & Rufer | | 19 50 | |
| Stamps and burning brands, Geo. B. Sargent & Son | | 12 25 | |
| Printing sealing receipts, Lombard & Caustic | | 8 50 | |
| Printing notices to milk men, Jennings & Welch | | 1 12 | |
| Annual advertising, Jas. Cox | | 7 25 | |
| Stationery, postage stamps, postal cards, etc., City Messenger | | 8 06 | |
| Hardware (nails, etc.), F. A. White | | 2 05 | |
| Car tickets, West End Street Railway Co. | | 15 00 | |
| Weighing fees: — | | | |
| E. I. Train | | 18 16 | |
| Thos. Gurnham | | 8 30 | |
| | | | 1,491 29 |
| Balance unexpended | | | $108 71 |

| | |
|---|---|
| Whole number of scales, weights, and measures inspected | 36,109 |
| Whole number of scales, weights, and measures condemned | 626 |
| Whole number sealed | 35,483 |

| | |
|---|---|
| Number of scales found incorrect and adjusted | 185 |
| Number of weights found incorrect and adjusted | 110 |
| Number of dry measures found incorrect and adjusted | 67 |
| Number of wet measures found incorrect and adjusted | 6 |
| Total | 368 |

| | |
|---|---|
| Number of scales condemned | 28 |
| Number of weights condemned | 41 |
| Number of dry measures condemned | 33 |
| Number of wet measures condemned | 6 |
| Number of milk cans and bottles condemned | 518 |
| Total | 626 |

In my report of last year, I recommended that an ordinance be passed requiring all hawkers and peddlers who desire to do business on our streets, to procure a license from the City, for which a suitable sum be charged, and in violation of the same they shall be arrested, and fined in such sums as may be specified.

His Honor the Mayor, in his address to the City Council, recommended that such an ordinance be passed, but as yet very little has been done in that direction.

One hearing was given by the Committee on Ordinances, which was participated in principally by hawkers and peddlers, the majority of whom seemed to be satisfied with the present method of doing business. Four persons who do business in stores, paying rent for the privilege, protested against hawkers and peddlers being allowed (without a license) to go around amongst their customers, offering in many instances an inferior class of goods at prices much lower than first quality goods can be bought for, and in many instances using short measures.

I have had to prosecute several of these unscrupulous peddlers, which has had its salutary effect.

Upon a matter of so much importance to our citizens, and especially to those who are accustomed to buy of hawkers and peddlers, it does seem as though it should receive more consideration than to simply have it laid upon the table.

There has been no accident to anybody or anything connected with this department during the year, save the natural wear and tear.

The business of this department is increasing from year to year to such an extent that it requires the constant attention and diligence of the Sealer. I am,

Yours very truly,

ALBERT F. ROBERTS,

*Sealer.*

# REPORT OF THE INSPECTOR OF MILK.

---

Cambridge, Dec. 1, 1895.

*To His Honor the Mayor, and the City Council of the City of Cambridge: —*

Gentlemen: — I have the honor to present the annual report of the Department for the Inspection of Milk, for the year ending Nov. 30, 1895.

The work of this department has been conducted during the past year in the same manner as described in previous reports, so that an account of the means employed to secure the sale of pure milk, and vinegar of standard quality, does not need to be given here. There has been no change in the law relating to these two articles of food, and the means employed to secure its proper observance have not been altered. There has, however, been a decision in the Supreme Court in regard to the sale of oleomargarine, which is of great importance to those engaged in this business. According to this decision it is now illegal to sell oleomargarine colored so as to resemble butter, even though the purchaser knows it is oleomargarine; consequently, as the natural color of this substance is nearly that of lard, the dealers have found it impossible to sell it and comply with the law. People who are quite ready to use oleomargarine when colored to look like butter, will not use it when it looks like lard. Therefore nearly all the dealers who in former years have taken out licenses for its sale, refused to do so this year, stating that they no longer handled it, and the samples collected and analyzed seem to confirm this statement.

Early in the year I had several complaints from private individuals in regard to colored milk, and the milk complained of, though of good quality otherwise, proved on

analysis to have been artificially colored. It is much more difficult for the consumer to detect milk of inferior quality when thus artificially colored, and as the addition of artificial coloring matter certainly does not improve the quality of good milk, the following notice was sent to all milk dealers doing business in this city : —

CITY OF CAMBRIDGE.

CITY HALL,.....189

After this date a complaint will be made against any one found selling milk to which any artificial coloring matter has been added.

F. A. DUNBAR,

*Inspector of Milk.*

The artificial coloring of milk has previously been so universally employed, that most consumers have come to think such color natural to it; as a matter of fact the natural color of milk varies a good deal, according to the time of year and kind of feed supplied to the cows, from quite a rich yellow to an almost chalky white, but whatever the natural color of the whole milk the skimmed milk should always have a distinct tinge of blue, while an artificially colored milk when skimmed fails to show this blue color, but remains of much the same color as when unskimmed. This gives a ready means of detecting the addition of artificial coloring matter, and it is best done as follows: Fill a tall glass jar with milk and let it stand in a cool place until the cream has risen, then examine the underlying milk, in good daylight, against some white background, like a sheet of paper; or let the milk stand in a pan and then skim it; in either case the underlying milk should look distinctly blue, and should make a sharp contrast in color with the cream, which may be anywhere from a nearly pure white to quite a deep shade of yellow. If the skimmed milk does not show this blue color, the addition of artificial coloring matter is very probable. The substances used for this purpose are either annotto or burnt sugar, and they may be detected as follows.

### Test for Annotto.

To a test-tube nearly filled with milk, add a few drops of a saturated solution of sodic carbonate, until the milk is strongly alkaline, then hang in the milk a long, narrow slip of filter paper and set the tube away from the light for twenty-four hours; at the end of that time take out the paper, wash it in clean water, and observe the color; if annotto was present in the milk the paper will be colored more or less yellow, and this color will change to a light salmon color if the paper is dipped into a solution of chloride of tin, and will change back to the original yellow color when washed and again dipped into a solution of sodic carbonate.

In order to obtain a good exhibit of the annotto coloring matter when a complaint in court is to be made of its use, heat a few ounces of milk, add a few drops of acetic acid, which causes it to coagulate, and then strain through cloth; squeeze the coagulum as dry as possible, remove it into a porcelain dish, and add a little sulphuric ether. The ether must be thoroughly mixed up with the coagulum, and then, after standing a little while, poured off, more ether added and the operation repeated three or four times; the ether is then all collected in a separatory funnel and thoroughly shaken up with a dilute solution of sodic hydrate; after the two liquids have separated, which they soon do, the annotto coloring matter will be found dissolved in the sodic hydrate solution, which must be poured off into a flat-bottomed dish of such a size as to give a layer of the liquid about one quarter of an inch deep; in this are placed two small pieces of filter paper and the whole is set away in the dark for twenty-four hours, at the end of which time the paper will be stained a more or less deep yellow color. One of the pieces may be dipped in the chloride of tin solution to show the salmon color, and both pieces of paper dried and mounted on a piece of white paper.

### Test for Burnt Sugar.

To detect burnt sugar or caramel when added to milk, 50 c. c. of milk is turned into an equal quantity of alcohol, which causes it to coagulate, and the coagulum is filtered off;

the filtrate at first runs through turbid, but by refiltering several times it at last becomes perfectly clear, and if burnt sugar is present shows a distinct brownish color, which is best seen by comparing with a filtrate prepared in the same way from an uncolored milk.

To confirm the presence of burnt sugar, a few drops of a solution of acetate of lead is added to the filtrate, and the resulting precipitate filtered off. The paper on which this precipitate is collected is dried at a gentle heat and its color compared with another paper similarly prepared from a specimen of uncolored milk. If burnt sugar is present, the paper is colored a more or less deep shade of brown. This test is perfectly distinctive, but no satisfactory exhibit can be made.

The following table shows the number of licenses issued, the number of samples collected and analyzed, and the number of complaints made during the year. Many of the samples of milk and vinegar given in the following table as below the standard were nevertheless very near the legal requirements, and of very fair quality; of course in such cases nothing is said to the dealer in regard to the quality of the sample taken.

| | |
|---|---|
| Number of annual milk licenses | 208 |
| Number of store milk licenses | 98 |
| Number of oleomargarine licenses | 4 |
| Amount realized from sale of licenses | $155 00 |
| Total number of samples collected | 2,023 |
| Number of samples of milk | 1,850 |
| Number of samples of milk of standard quality | 1,521 |
| Number of samples of milk not of standard quality | 329 |
| Number of samples of vinegar | 127 |
| Number of samples of vinegar of standard quality | 107 |
| Number of samples of vinegar not of standard quality | 20 |
| Number of samples of butter | 46 |
| Number of samples of butter of standard quality | 46 |
| Number of warnings sent for sale of poor milk | 151 |
| Number of warnings sent for sale of poor vinegar | 4 |
| Number of complaints made for sale of poor milk | 17 |
| Number of complaints made for sale of poor vinegar | 3 |
| Whole number of complaints made | 20 |
| Whole number of convictions | 19 |
| Amount of fines imposed | $682 80 |

The analysis of samples of the ice intended for domestic use, supplied by the various ice companies doing business in this city, was carried out in the same manner as in former years, though, owing to the lack of any appropriation for the purpose, no investigation of the sources of supply could be made. So far as the analyses go, however, it would seem that the ice supplied this year has been of pretty fair quality. The samples for analysis are always taken from pieces of clear ice, which is always of much better quality than the snow or bubbly ice from the same block. Consumers should always bear this in mind, and use only the clear portions of a block, when the ice is coming in contact with food or drink.

The sources of supply as stated by the ice companies are given below, together with the analysis of the samples.

Drivers' Union Ice Co. cuts at Wenham Lake (Beverly), Chebacco Lake (Hamilton), Washaukum Lake (South Framingham), and Lovell's Pond (Wakefield, N. H.).

Standard Ice Co. cuts at Wenham Lake (Beverly).

Fresh Pond Ice Co. cuts at Brookline, N. H.

Cambridge Ice Co. cuts at Spy Pond (Arlington), and Brookline, N. H.

Independent Ice Co. cuts at Mirror Lake (Hudson), and Lovell's Pond (Wakefield, N. H.).

Harvard Ice Co. buys from the Fresh Pond Ice Co.

Boston Ice Co. cuts at Woburn, Mass., Wakefield, Mass., North Chelmsford, Mass., South Weymouth, Mass., and Wilton, N. H.

## Ice Analysis.

| | Parts per 100,000. | | | | | |
|---|---|---|---|---|---|---|
| | Total Solids. | Residue on ignition. | Sediment. | Chlorine. | Free Ammonia. | Albuminoid Ammonia. |
| Fresh Pond Ice Co., cut at Brookline, N. H. | 2.00 | 1.00 | Very slight. | 0.20 | 0.000 | 0.004 |
| Standard Ice Co., bought from Drivers' Union Ice Co. | 9.00 | 7.00 | Very slight. | 0.30 | 0.0005 | 0.006 |
| Cambridge Ice Co., cut at Spy Pond, Arlington | 4.50 | 2.50 | Slight. | 0.25 | 0.003 | 0.009 |
| Harvard Ice Co., bought from Fresh Pond Ice Co. | 2.00 | 0.75 | Very slight. | 0.30 | 0.0005 | 0.004 |
| Drivers' Union Ice Co., cut at ..... | 3.00 | 2.00 | Slight. | 0.40 | 0.000 | 0.007 |
| Durgin Ice Co., cut at Smith's Pond, Belmont | 2.00 | 0.50 | Very slight. | 0.50 | 0.0005 | 0.004 |
| Boston Ice Co., cut at Wakefield, Mass. | 4.00 | 1.00 | Slight. | 0.50 | 0.000 | 0.003 |
| Independent Ice Co., cut at Wolfborough, N. H. | 3.00 | 0.50 | Moderate amount. | 0.35 | 0.000 | 0.018 |

The following table shows the manner in which the appropriation for this Department has been expended.

| | | |
|---|---|---|
| Appropriation | | $1,400 00 |
| Salaries | $1,185 00 | |
| Car tickets | 35 00 | |
| Microscope | 50 00 | |
| Horse hire | 27 00 | |
| Stationery, etc. | 14 35 | |
| General expenses | 76 79 | |
| | | 1,388 14 |
| Balance unexpended | | $ 11 86 |

Respectfully submitted,

FRANK A. DUNBAR,

*Inspector of Milk.*

# REPORT OF THE TRUSTEES OF THE SANDERS TEMPERANCE FUND.

---

The Trustees of the Sanders Temperance Fund herewith submit the annual report of the Board for the year 1895, and the thirtieth since the city was made the custodian of the fund.

Although the history of the establishment and use of this fund has been recited from year to year in the published city reports, the story of its usefulness has an ever increasing value to all who love the cause in whose behalf the fund was created. As has been stated from time to time in former reports, the sum of $10,000.00 was bequeathed to the city by Charles Sanders, who was at one time a citizen of Cambridge, and deeply interested in the cause of temperance.

In the early records of the Trustees, the story of the bequest and the conditions under which it was given, are fully set forth.

Mr. Alonzo Stewart, the present missionary, was appointed in the year 1875. Through all the intervening years he has faithfully labored in the good cause in which his heart was bound, and it is fondly believed that his work has been productive of inestimable good to our community.

WM. A. BANCROFT,
JOHN R. FAIRBAIRN,
JOHN L. ODIORNE,
} *Trustees.*

# REPORT OF THE SUPERINTENDENT OF THE AMBULANCE DEPARTMENT.

---

OFFICE OF SUPERINTENDENT OF AMBULANCE DEPARTMENT,
CAMBRIDGE, December, 1, 1895.

*To the Honorable the City Council of the City of Cambridge:* —

GENTLEMEN: — The annual report of the Ambulance Department for the year ending November 30, 1895, is herewith presented.

The Ambulance Department began business on January 3, 1895, and is now two days short of being eleven months old. During its short existence it has responded to 550 calls for its services, an average of about 50 calls per month. 387 of these were for transportation within the city limits, and 163 were for conveyance from or to this city. 107 were night calls, and 157 were accidents. These 550 calls according to wards were: Ward 1, 136; Ward 2, 161; Ward 3, 94; Ward 4, 105; Ward 5, 54 — Wards 1 and 2 using the ambulances 297 times, or over half the entire service of the department.

Included in the list of calls to which this department has responded are 79 cases of communicable disease, of which 56 were diphtheria, 21 scarlatina, and 2 measles. These were conveyed in the old ambulance, which is used for such cases alone.

Of the 157 accident cases attended, 25 were from Ward 1, 39 from Ward 2, 40 from Ward 3, 41 from Ward 4, and 12 from Ward 5.

RECEIPTS.

| | |
|---|---|
| According to the last monthly statement of the City Auditor there has been paid into the City Treasury on account of the Ambulance Department during the year . . . . . | $274 00 |

EXPENSES.

| | |
|---|---|
| One horse | $200 00 |
| Fitting up ambulance and quarters for men | 216 92 |
| Pay-roll to date | 1,231 99 |
| Horse board and rent of quarters for men | 451 00 |
| Laundry | 20 31 |
| Telephone | 45 85 |
| Horse-shoeing | 22 00 |
| Repairs and incidentals | 81 08 |
| Total amount expended | $2,269 15 |
| Appropriation | $2,400 00 |
| Transferred to Department of Incidental Expenses | 250 00 |
| | $2,150 00 |
| Added appropriation | 119 15 |
| | $2,269 15 |

Respectfully,

LEWIS L. BRYANT, M. D.,

*Superintendent of the Ambulance Department.*

**Tabular View of Ambulance Work Performed in the Year ending Nov. 30, 1895.**

| | WARD. | | | | | TOTALS. |
|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | |
| December, 1894 | 0 | 0 | 0 | 0 | 0 | 0 |
| January, 1895 | 3 | 8 | 9 | 9 | 3 | 32 |
| February, " | 15 | 18 | 11 | 8 | 3 | 55 |
| March, " | 9 | 4 | 7 | 10 | 3 | 33 |
| April, " | 11 | 12 | 6 | 2 | 6 | 37 |
| May, " | 20 | 12 | 9 | 9 | 8 | 58 |
| June, " | 20 | 18 | 8 | 9 | 3 | 58 |
| July, " | 18 | 13 | 10 | 12 | 8 | 61 |
| August, " | 8 | 20 | 10 | 12 | 1 | 52 |
| September, " | 8 | 21 | 10 | 17 | 5 | 61 |
| October, " | 10 | 12 | 6 | 7 | 8 | 43 |
| November, " | 14 | 23 | 8 | 10 | 6 | 61 |
| Totals | 136 | 161 | 94 | 105 | 54 | 550 |

# REPORT OF THE OVERSEERS OF THE POOR.

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Central Square Building,
Cambridge, December 23, 1895.

*To the Honorable the City Council of the City of Cambridge:—*

Gentlemen:—The Overseers of the Poor respectfully submit their annual report for the year ending November 30, 1895.

Under the provisions of the new City Charter, Dr. Charles Bullock, who has already served since 1890 as an Overseer of the Poor, was re-elected in March last by the City Council, for a term of five years.

Dr. Charles E. Vaughan, the Chairman of the Board, having changed his residence to California, resigned as a member of this Board in May, 1895. He served as an Overseer for a continuous period of eighteen years. His interest in all varieties of charitable work, his knowledge and experience and his devotion to duty made him a valuable public officer. His fellow members of the Board regretted very much the loss of his companionship and aid. Mr. Alexander Millan was elected by the City Council on May 14 to fill the unexpired term.

In our last report the importance of a change in the manner of lighting our safety vault, which contains so many valuable documents and records, was referred to. We are glad at this time to be able to state that, upon our application to the City Council, an electric light has been provided which satisfactorily supplies the need.

By reference to our report of last year it will be seen that the small excess of $469.42 in expenditures the present year in the Outside Aid Department has been met by an increase of $2,432.85 in the receipts. This gain was caused in a large degree by the payment by the State of the unusual sum of $3,186.60, thus cancelling accounts of many years' standing.

The financial exhibit shows an aggregate increased expenditure of but $369.17 over last year in the four branches managed by this Board, while the aggregate receipts have become greater by a sum of $2,458.67.

For the first time for many years the amount of real estate tax ($286.44) assessed upon the City of Cambridge by the City of Somerville, for the almshouse property lying within its territory, and which has heretofore been paid from the department for incidentals, has this year by vote of our City Council been defrayed from the Almshouse appropriation.

The Board has during the present year been called to part with the esteemed chaplain of the almshouse, Rev. F. W. Holland, who, after a somewhat extended sickness, was summoned in March last to join the hosts who have passed on to the higher life. His faithful, acceptable and efficient service in administering to the spiritual and temporal welfare of the inmates for a period of more than seventeen years, has left a decided impression upon all with whom he was brought in contact.

During the past few months the Board has been able to a limited extent to co-operate with the Board of Health in furnishing proper facilities for the care of cases of diphtheria which have required treatment at the almshouse cottage.

Separate appropriations, including in the totals the estimated receipts, were made the past year by the City Council for the different branches of this department, as follows: —

| | |
|---|---|
| Outside Aid | $43,000 00 |
| Almshouse | 20,000 00 |
| Farm and Ledge | 8,500 00 |
| House Offal | 24,500 00 |
| Additional appropriation and transfer to Outside Aid | 1,583 92 |
| Additional appropriation and transfer to Farm and Ledge | 1,290 88 |
| Surplus revenue added to House Offal | 900 54 |
| Assistant City Physician's salary | 1,500 00 |

The following were the actual expenditures and receipts for the year: —

OUTSIDE AID.

| | |
|---|---|
| Expenditures | $44,583 92 |
| Receipts | 7,647 71 |
| Net cost | $36,936 21 |

ALMSHOUSE.

| | |
|---|---|
| Expenditures | $19,992 99 |
| Receipts | 859 46 |
| Net cost | $19,133 53 |

FARM AND LEDGE.

| | |
|---|---|
| Expenditures | $9,788 88 |
| Receipts | 14,730 50 |
| Net gain | $4,941 62 |

ASSISTANT CITY PHYSICIAN.

| | |
|---|---|
| Expenditures | $1,500 00 |

HOUSE OFFAL.

| | |
|---|---|
| Expenditures | $24,975 54 |
| Receipts | 9,045 55 |
| Net cost | $15,929 99 |

The number of persons at institutions for whose support the city is liable has been as follows: —

| | |
|---|---|
| City Almshouse | 295 |
| State Lunatic Hospitals | 167 |
| State Almshouse | 8 |
| Baldwinville Hospital Cottages | 3 |
| Massachusetts School for Feeble Minded | 12 |
| Number of insane in families | 7 |
| | 492 |

The insane hospital cases include 13 at the Danvers Lunatic Hospital, 83 at the Worcester Lunatic Hospital, 18 at the Worcester Insane Asylum, 4 at the Taunton Lunatic Hospital, 22 at the Westboro Insane Hospital, 9 at the Foxboro Dipsomaniac Hospital, 13 in the insane ward at the State Almshouse at Tewksbury, 5 in the insane ward at the State Farm at Bridgewater. One insane man and six insane women have been boarded out in families, all under the supervision of the State Board of Lunacy and Charity. There have been 26 mildly insane cases at the Almshouse in addition to the number at the lunatic hospitals supported by the city.

The amount paid to the State Lunatic Hospitals and private families for the insane has been $21,881.67. The relatives of

the insane and other persons supported by the city have paid $2,091.34 into the city treasury. Other cities and towns have reimbursed the city to the amount of $2,931.08 for aid rendered their poor living in Cambridge. The State Treasurer has paid $3,270.53 for the support of cases having no settlement, which were aided from the office of the Board.

There have been 558 histories taken of new applicants for relief, and 50 histories have been revised, as appears from the report of the Visitor.

The Assistant City Physician has made 1974 visits upon 125 patients in the almshouse, and he has also made 2490 visits upon 679 patients outside of the institution, as is seen by his report.

There have been 295 inmates in the Almshouse during the year, and there remained 110 persons on November 30, as appears in the report of the Superintendent. Much information relating to the house, farm, ledge and offal departments will also be found in his report.

Four hundred and eighty-nine families, embracing 1467 persons, have been aided from the office of the Board during the past year. Seventy-seven of these families lived in Wards 1 and 5, 270 of them resided in Wards 2 and 4, and 142 of them lived in Ward 3.

RECAPITULATION.

| | |
|---|---|
| Total expenditure for Outside Aid, Almshouse, Farm and Ledge | $74,365 79 |
| Receipts for the same | 23,237 67 |
| Net cost of care of the poor | $51,128 12 |

Which is $2,105.03 less than the previous year.

Respectfully submitted,

WM. W. BURRAGE,
STEPHEN ANDERSON,
CHARLES WALKER,
CHARLES BULLOCK,
ALEXANDER MILLAN,
*Overseers of the Poor.*

# REPORT OF THE SUPERINTENDENT OF THE ALMSHOUSE.

---

CAMBRIDGE, December 1, 1895.

*To the Overseers of the Poor:* —

GENTLEMEN: — The annual report of the Almshouse for the year ending November 30, 1895, is herewith respectfully submitted.

The whole number in the Almshouse during the year has been as follows: —

| | |
|---|---|
| Males | 176 |
| Females | 119 |
| Total | 295 |

| | |
|---|---|
| Adults | 239 |
| Minors | 56 |
| Whole number in the Almshouse Nov. 30, 1895 | 110 |
| Average number during the year | 115 |

Included in the whole number in the Almshouse Nov. 30, 1895, there are: —

INSANE OR DEMENTED.

| | |
|---|---|
| Males | 4 |
| Females | 18 |
| Total | 22 |

IDIOTIC OR IMBECILE.

| | |
|---|---|
| Males | 1 |
| Females | 4 |
| Total | 5 |

BLIND.

| | |
|---|---|
| Males | 3 |
| Females | 1 |
| Total | 4 |

Included in the whole number discharged during the year, there are: —

| | |
|---|---|
| To Almshouse, Boston | 3 |
| Almshouse, Sandwich | 2 |
| Cambridge Hospital | 1 |
| Carney Hospital | 1 |
| Home for Destitute Catholic Children, Boston | 2 |
| Massachusetts General Hospital | 1 |
| Massachusetts State Home, Roxbury | 6 |
| Middlesex House of Correction | 2 |
| Soldiers' Home, Chelsea | 2 |
| State Almshouse, Tewksbury | 9 |
| Worcester Lunatic Hospital | 2 |

Remaining in the Almshouse Nov. 30, 1895: —

| | |
|---|---|
| Males | 61 |
| Females | 49 |
| Adults | 99 |
| Minors — Boys, 4; Girls, 7 | 11 |

Of the boys remaining Nov. 30, 1895, there are: —

| | |
|---|---|
| Neglected children | 3 |
| Dependent children | 1 |
| Total | 4 |

Of the girls remaining Nov. 30, 1895, there are: —

| | |
|---|---|
| Neglected children | 2 |
| Dependent children | 5 |
| Total | 7 |

The following tables will show the changes in population, the number of deaths during the year, an approximate estimate of farm products, and a comparison of financial receipts for fifteen years ending Nov. 30, 1895: —

## Table I.

Showing the number and sex of adult persons and minors of all classes received into the Almshouse in each month of the year ending Nov. 30, 1895.

| Months. | Adults. | | Minors. | | Total. | Dependent. Children. | | Neglected Children. | |
|---|---|---|---|---|---|---|---|---|---|
| | *M.* | *F.* | *M.* | *F.* | | *M.* | *F.* | *M.* | *F.* |
| December, 1894 | 8 | 4 | 2 | 2 | 16 | 2 | 1 | 0 | 1 |
| January, 1895 | 3 | 4 | 1 | 2 | 10 | 2 | 1 | 0 | 0 |
| February, " | 9 | 4 | 1 | 3 | 17 | 1 | 2 | 0 | 1 |
| March, " | 6 | 7 | 1 | 5 | 19 | 1 | 5 | 0 | 0 |
| April, " | 7 | 4 | 4 | 3 | 18 | 4 | 3 | 0 | 0 |
| May, " | 5 | 4 | 1 | 1 | 11 | 1 | 1 | 0 | 0 |
| June, " | 8 | 1 | 0 | 0 | 9 | 0 | 0 | 0 | 0 |
| July, " | 12 | 5 | 7 | 0 | 24 | 7 | 0 | 0 | 0 |
| August, " | 7 | 5 | 3 | 1 | 16 | 3 | 1 | 0 | 0 |
| September, " | 7 | 3 | 1 | 0 | 11 | 1 | 0 | 0 | 0 |
| October, " | 8 | 3 | 2 | 1 | 14 | 2 | 1 | 0 | 0 |
| November, " | 10 | 1 | 0 | 2 | 13 | 0 | 2 | 0 | 0 |
| Totals | 90 | 45 | 23 | 20 | 178 | 24 | 17 | 0 | 2 |

## Table II.

Showing the number and sex of adult persons and minors of all classes discharged from the Almshouse in each month of the year ending Nov. 30, 1895.

| Months. | Adults. | | Minors. | | Total. | Dependent Children. | | Neglected Children. | |
|---|---|---|---|---|---|---|---|---|---|
| | *M.* | *F.* | *M.* | *F.* | | *M.* | *F.* | *M.* | *F.* |
| December, 1894 | 1 | 6 | 0 | 1 | 8 | 0 | 1 | 0 | 0 |
| January, 1895 | 7 | 0 | 1 | 2 | 10 | 1 | 2 | 0 | 0 |
| February, " | 7 | 1 | 0 | 2 | 10 | 0 | 0 | 0 | 2 |
| March, " | 9 | 11 | 1 | 5 | 26 | 1 | 5 | 0 | 0 |
| April, " | 17 | 5 | 6 | 4 | 32 | 6 | 4 | 0 | 0 |
| May, " | 6 | 9 | 3 | 2 | 20 | 3 | 2 | 0 | 0 |
| June, " | 8 | 2 | 0 | 0 | 10 | 0 | 0 | 0 | 0 |
| July, " | 5 | 2 | 7 | 0 | 14 | 7 | 0 | 0 | 0 |
| August, " | 8 | 4 | 4 | 1 | 17 | 4 | 1 | 0 | 0 |
| September, " | 9 | 4 | 1 | 0 | 14 | 1 | 0 | 0 | 0 |
| October, " | 8 | 4 | 1 | 0 | 13 | 1 | 0 | 0 | 0 |
| November, " | 5 | 2 | 1 | 3 | 11 | 1 | 3 | 0 | 0 |
| Totals | 90 | 50 | 25 | 20 | 185 | 25 | 18 | 0 | 2 |

## Table III.

Showing the name, age, time of admission, date and cause of death of each person who has died in the Almshouse during the year ending Nov. 30, 1895.

| Name. | Age. | Date of Admission. | Date of Death. | Cause of Death. |
|---|---|---|---|---|
| Ann Cannon | 62 | Jan. 1, 1890 | Dec. 11, 1894 | Chronic Dementia |
| Margaret Clark | 78 | June 20, 1888 | Dec. 24, 1894 | Senile Dementia |
| Jane Forsyth | 78 | April 9, 1892 | Dec. 28, 1894 | Apoplexy |
| Isabella Blakeley | 80 | Oct. 26, 1894 | Dec. 31, 1894 | Senile Dementia |
| Daniel S. Benjamin | 71 | March 1, 1894 | Jan. 5, 1895 | Apoplexy |
| Thomas Clasby | 50 | Aug. 15, 1894 | Feb. 19, 1895 | Diphtheria |
| Delia Fahey | 8 | Jan. 13, 1895 | Jan. 15, 1895 | Pneumonia |
| Maurice Ahearn | 80 | Jan. 15, 1895 | Jan. 21, 1895 | Consumption |
| George W. Dane | 68 | Sept. 20, 1893 | Feb. 20, 1895 | Pernicious Anœmia |
| Catharine Fallon | 67 | Sept. 20, 1893 | March 14, 1895 | Chronic Dementia |
| Annie Trainor | 52 | March 24, 1895 | March 28, 1895 | Malignant Disease of Bowels |
| Mary Barrett | 46 | March 26, 1895 | March 28, 1895 | Heart Disease |
| Mary Taylor | 26 | April 4, 1895 | April 10, 1895 | Typhoid Fever |
| Richard McBride | 44 | July 7, 1894 | April 12, 1895 | Consumption |
| Francis Niland | 1 | April 12, 1895 | April 16, 1895 | Diphtheria |
| Ernest H. White | 7 mos. | Oct. 12, 1894 | May 3, 1895 | Pneumonia |
| Charles Novak | 42 | Sept. 14, 1894 | May 5, 1895 | Consumption |
| Harriet Brewster | 87 | Nov. 22, 1887 | May 6, 1895 | Chronic Bronchitis |
| Noah H. Brigadier | 65 | May 8, 1895 | May 9, 1895 | Cerebral Hemorrhage |
| Willis K. Richardson | 35 | May 12, 1895 | May 23, 1895 | Pneumonia |
| Jane A. Whidden | 52 | Nov. 2, 1882 | June 9, 1895 | Chronic Myelitis |
| Richard Jackson | 45 | Nov. 1, 1894 | July 13, 1895 | Chronic Dementia |
| Mary Flanagan | 64 | Dec. 22, 1890 | Sept. 13, 1895 | Consumption |
| Thomas J. Lynch | 54 | Sept. 21, 1895 | Oct. 6, 1895 | Intestinal Hemorrhage |
| Maurice Tobin | 82 | Dec. 12, 1894 | Oct. 14, 1895 | Chronic Bronchitis |
| Margaret Reardon | 26 | Oct. 17, 1895 | Oct. 28, 1895 | Septicemia |
| Michael Riley | 53 | June 13, 1893 | Nov. 5, 1895 | Consumption |
| Margaret Branagan | 85 | June 15, 1891 | Nov. 10, 1895 | Apoplexy |

## Products of the Farm.

| | | |
|---|---|---|
| 425 | bushels beans | $265 00 |
| 850 | bushels beets | 390 00 |
| 90 | bushels beet greens | 20 00 |
| 16,600 | cabbages | 455 00 |
| | cabbage plants | 25 00 |
| 100 | bushels carrots | 60 00 |
| 725 | boxes celery | 1,900 00 |
| 25,000 | cucumbers | 360 00 |
| 300 | bushels dandelion greens | 300 00 |
| 665 | dozen eggs | 100 00 |
| 500 | dozen green corn | 50 00 |
| 2,000 | dozen lettuce | 490 00 |
| 600 | bushels onions | 300 00 |
| 530 | bushels parsnips | 425 00 |
| 20 | bushels peppers | 15 00 |
| 100 | bushels peas | 100 00 |
| 7,423 | pounds pork | 410 54 |
| 60 | bushels potatoes | 60 00 |
| 1,060 | dozen radishes | 340 00 |
| 2,000 | pounds rhubarb | 60 00 |
| 100 | bushels spinach | 20 00 |
| 7 | tons squash | 140 00 |
| 1,400 | bushels tomatoes | 610 00 |
| | | $6,895 54 |

**Comparative Table of Almshouse, Farm, Ledge, and House Offal Receipts for Fifteen Years ending November 30, 1895.**

| Years. | Board. | Chair Shop. | Farm. | General Sales. | Stone. | House Offal. | Totals. |
|---|---|---|---|---|---|---|---|
| 1881 ..... | $322 56 | | $378 50 | | $2,529 01 | $5,536 88 | $8,766 95 |
| 1882 ..... | 705 34 | | 436 54 | | 2,626 17 | 5,705 22 | 9,473 27 |
| 1883 ..... | 1,174 96 | | 476 22 | $14 19 | 2,622 00 | 5,819 55 | 10,106 92 |
| 1884 ..... | 1,480 93 | | 316 76 | | 4,238 77 | 6,449 96 | 12,486 42 |
| 1885 ..... | 2,035 58 | | 335 32 | 149 85 | 4,509 84 | 7,354 26 | 14,384 95 |
| 1886 ..... | 613 93 | $37 50 | 772 14 | 319 75 | 5,611 38 | 6,926 23 | 14,280 93 |
| 1887 ..... | 514 64 | 634 19 | 1,595 10 | 241 37 | 4,684 14 | 6,856 59 | 14,526 03 |
| 1888 ..... | 557 28 | 614 94 | 2,846 52 | 213 62 | 6,662 26 | 6,721 50 | 17,617 86 |
| 1889 ..... | 274 84 | 479 28 | 3,684 59 | 144 36 | 5,564 18 | 7,324 61 | 17,471 06 |
| 1890 ..... | 302 49 | 794 36 | 4,364 03 | 150 89 | 5,651 38 | 7,386 33 | 18,649 48 |
| 1891 ..... | 1,201 33 | 844 62 | 5,213 68 | 161 71 | 6,107 86 | 7,716 77 | 21,245 97 |
| 1892 ..... | 1,253 06 | 899 81 | 5,371 60 | 166 45 | 5,220 50 | 7,535 57 | 20,447 55 |
| 1893 ..... | 703 70 | 325 86 | 6,400 64 | 210 09 | 5,826 74 | 7,033 52 | 20,500 05 |
| 1894 ..... | 1,094 89 | 220 07 | 6,504 66 | 615 69 | 7,955 42 | 8,218 96 | 24,609 69 |
| 1895 ..... | 622 77 | 77 00 | 6,512 63 | 160 19 | 8,265 14 | 9,045 55 | 24,682 78 |
| Totals ... | $12,857 80 | $4,927 63 | $45,208 93 | $2,548 16 | $78,074 79 | $105,631 60 | $249,248 91 |

Having served the city for ten full years as Superintendent of the Almshouse, it may not, perhaps, be amiss to invite your attention to a brief review of our work for that period and note its suggestions.

Ten years ago there were one hundred and sixty persons in the Almshouse. Since that time there have been 1382 admissions, making the total number for the period of ten years 1542. But it must be remembered that many have been received several times, and that the number of individuals must be much less.

A careful examination of our records shows the actual number of different persons to have heen 1162. Of this number four hundred and twenty-eight were men, three hundred and three were women, three hundred and eleven were boys, and one hundred and twenty were girls.

The relatively large number of boys is explained by the fact that up to the autumn of 1893, the Cambridge Truant School was maintained at the Almshouse.

Of these eleven hundred and sixty-two persons, six hundred and twenty have been discharged to be cared for by friends, or to enter industrial occupations outside; two hundred and sixty-three have been transferred to other institutions; one hundred and sixty-nine have died, and one hundred and ten now remain in the Almshouse.

Of those who have died, seventy-six were men, twenty-four of whom were more than seventy years old; eighty-one were women, of whom twenty-nine had passed their seventieth year; seven were boys, and five were girls.

Many persons are brought to the Almshouse in the last stages of disease, as is shown by the fact that of the total number one hundred and sixty-nine, who have died in ten years, thirty-eight, or more than twenty-two per cent. died before they had been two weeks in the Almshouse, and five have died within twenty-four hours of their arrival.

From time to time your attention has been called to certain changes in our population attributable to the different causes from which dependence has arisen. But the most marked change observable in a review of ten years is the increasing number whose helpless condition has been induced by sickness.

This may arise in part from our ability to receive contagious diseases into the Cottage Hospital, although the limited number treated there would not greatly affect the year's average of sick persons.

In 1885 twenty per cent. of the whole number received were sick persons, but in 1895 this class was sixty-three per cent. of the whole number received. And the increase is also confirmed by our death rate, there having been seventy deaths during the first half of the decade, and ninety-nine during the last half, with no increase in the average population.

Thus we see that the work of the Almshouse is largely that of a free hospital for the care and treatment of the sick poor

of the City, and such of the State poor as happen to be sick in Cambridge. The improvements made in our buildings during the period under review include the erection of a commodious Cottage Hospital; a substantial brick boiler house, in which two new boilers have been placed; a new building of brick devoted to the purposes of store room, carpenter shop, work shop, and men's sitting room; a considerable addition to our offal barn, made necessary by the increased quantity of offal collected; and a convenient laundry building.

In addition, mention should be made of the added appliances to render the Almshouse more safe from the danger of fire, and the general alteration of the interior of the building in the autumn of 1893, made possible by removal of the Truant School.

These changes and improvements have added greatly to the physical comfort and well-being of our people. But the greatest moral gain comes from the removal of so many children from the Almshouse by the closing of the Truant School and the operation of the boarding-out system. In my first report in 1885 the number of children in the Almshouse is given as fifty-five. To-day the number is only eleven, five of whom are neglected children whose removal the law does not enjoin, and four of the remaining six are in the Almshouse with their mothers.

The period covered by this review has witnessed a decided improvement among the poorer classes of the city, and instances are not wanting which show a marked uplifting influence among families who for years had been living near the border line of dependence.

Some of the evidences of increased comfort and social elevation may be mentioned, as the improved condition of the homes, the good order of the community, the appearance of the children, who look more healthy and are better clothed, and the steady increase in the number of house-owners.

There can be little doubt that this improved condition is largely due to the removal of the temptation to indulgence in drink, by the no-license policy of the city.

Rev. Frederic W. Holland, after many years of faithful service as chaplain of this institution, passed from earthly labors to heavenly rewards in March of this year. His memory will be cherished with lasting affection. Mr. Holland was a man of fine intellectual power, a cultivated scholar, an able preacher and an easy and graceful writer. Yet he did not employ these gifts and accomplishments for his own advancement. He was better pleased to be useful than to win popular favor. He thought of others first, of himself last, and his warm sympathy with sufferers from want, privation, or wrong dispelled all thought of personal perferment.

> "Far other aims his heart had learned to prize;
> More bent to raise the wretched than to rise."

The plan of inviting clergymen of the different denominations to hold religious services at the Almshouse on Sunday has been very successful, the clergymen of the city and vicinity cheerfully responding to our invitations.

The business enterprises of market-gardening and quarrying stone from the ledge have been profitably conducted, although the prices received for farm products have been extremely low.

Our officers and employees have taken an intelligent and zealous interest in their work, and deserve commendation for their fidelity to the interests of the institution and the city.

Thanking the members of your Board for the uniform kindness and generous support accorded me in the performance of my official duties, this report is

Respectfully submitted,

MARTIN L. ELDRIDGE,

*Superintendent.*

# REPORT OF THE ASSISTANT CITY PHYSICIAN.

OFFICE OF THE ASSISTANT CITY PHYSICIAN,
CAMBRIDGE, MASS., Dec. 1, 1895.

*To the Board of Overseers of the Poor: —*

GENTLEMEN: — I have the honor to present the following report of the doings of this office for the year ending Nov. 30, 1895.

ALMSHOUSE.

| | |
|---|---|
| Number of visits to Almshouse | 241 |
| Number of persons treated therein | 125 |
| Number of professional visits to same | 1,974 |
| Number of births | 2 |
| Number of deaths | 28 |
| Cost of medicines and surgical appliances | $279 51 |

OUTSIDE AID.

| | |
|---|---|
| Number of persons attended by direction of Overseers of the Poor | 679 |
| Number of professional visits to same | 2,490 |
| Number examined relative to their sanity | 45 |
| Number of certificates of insanity issued | 38 |
| Number of births | 8 |
| Number sent to the hospitals for treatment | 19 |
| Number vaccinated | 35 |
| Number of deaths | 22 |
| Cost of medicines and surgical appliances | $336 27 |

DEPARTMENTAL SERVICE, AND TOTALS.

| | |
|---|---|
| Number of persons visited at police stations | 49 |
| Number of visits to same | 55 |
| Number visited for the Soldiers' Aid Committee | 6 |
| Number of visits to same | 22 |
| Number of civil service examinations | 20 |
| Number of vaccinations by direction of the School Committee | 248 |
| Number of persons examined where suit was threatened | 6 |
| Number of certificates of alleged disability issued to City Employees | 14 |
| Total number of persons receiving professional attention | 1,157 |
| Total number of visits to same | 4,829 |
| Total number of deaths | 50 |
| Total number of certificates of death issued | 79 |
| Total amount expended for medicines and surgical appliances | $615 78 |

Respectfully,

LEWIS L. BRYANT,

*Assistant City Physician.*

# REPORT OF THE WATER BOARD.

*To the Honorable the City Council of the City of Cambridge:—*

Gentlemen:—The Cambridge Water Board herewith presents its their thirty-first annual report for the year ending November 30th, 1895.

In our last report we referred to the death of our former Superintendent, Mr. Nevons, and the appointment, as his successor, of Mr. John L. Harrington. Little did we imagine that after only thirteen months of most efficient service, death would claim him without a moment's warning. In the midst of all the important work of the year he was taken, and this loss seems almost irreparable. Nothing that has been said of him is extravagant language, and nothing that we can add will express the great loss to the city in this very important department. "He filled his position," expresses the exact truth. His death occurred August 16th, 1895.

The following resolutions were adopted by the Water Board at its meeting held August 21, 1895:—

"For a second time within two years, death has removed from our service the Superintendent of the Water Works. In one case, after many years of able service and many months of painful illness, —in the other, without an hour's warning, in the full vigor and promise of his young manhood, and after brief service as Superintendent of the Cambridge Water Works, marked by untiring devotion and remarkable ability, which it is no exaggeration or undue compliment to say not only met but far exceeded our expectations.

"John L. Harrington had few equals, in the judgment of this Board, as Superintendent of Water Works, and when his predecessor died, we considered it fortunate that we could call to this service one so well equipped, and one who had been in direct training for it.

"Words are inadequate to express our sorrow, deep regret and disappointment because of his death. It is a loss we cannot easily make good, and with the varied works of large magnitude now in progress, and which were under his immediate supervision, we realize more each day how faithful, able and untiring his services were.

"We extend to his family our cordial sympathy, and bear witness to his high character, his great ability, his unflagging zeal and his high ideals in all he undertook.

"Among his last words to us were these: 'What I want more than all else is that the Water Board believe that I know my duty and that I will be faithful to it.'"

---

## FINANCIAL CONDITION.

### Total Cost of the Water Works.

| | |
|---|---|
| Cost of the Works to Nov. 30, 1894, as per report of last year | $3,525,993 02 |
| Expended during the past year | 496,688 92 |
| Making the total cost to Nov. 30, 1895 | $4,022,681 92 |
| Of above, $233,443 96 — Hobbs Brook. | |
| " 295,956 05 — Payson Park. | |

### Water Bond Account.

| | |
|---|---|
| Whole amount of Water Bonds issued | $3,834,900 00 |
| Amount paid from Sinking Fund | 1,619,400 00 |
| Leaves unpaid Water Bonds outstanding | $2,215,500 00 |
| From this deduct the present value of the Water Debt Sinking Fund, per Trustees' account | 546,049 24 |
| Leaving bonds to be paid from the Sinking Fund in the future | $1,669,450 76 |

### Payson Park Reservoir Account.

RECEIVED.

| | |
|---|---|
| Appropriation by City Council | $440,000 00 |
| From premium on bonds sold | 33,264 00 |
| | $473,264 00 |

| | |
|---|---|
| *Total amount received* . . . . . | $473,264 00 |
| EXPENDED. | |
| 40-inch pumping and distributing mains and laying same, building Payson Park Reservoir, etc. . . . | 249,798 16 |
| Unused balance of appropriation . . . . . | $223,465 84 |

**Hobbs Brook Reservoir Account.**

| | |
|---|---|
| RECEIVED. | |
| Appropriation by City Council . . . . . | $425,000 00 |
| From sale of grass, feed and asparagus . . . . . | 796 78 |
| | $425,796 78 |
| EXPENDED. | |
| In settlement for estates taken, building Winter and Lincoln Streets dams, and stripping a portion of the upper basin . . . . . | 182,065 50 |
| Unused balance of appropriation . . . . . | $243,731 28 |

For further figures as to the financial operations of the department we refer you to the Registrar's statement which accompanies this report.

**Appropriations.**

The yearly appropriations are reported by the Board after very careful consideration and revision, and when the appropriations as submitted by our Board are reduced by the City Council, it results usually in bills, which should be paid during the financial year in which they are incurred, being carried over into the following year. This has been notably the case during the present year, as the result of the appropriation for Maintenance account (pumping) being reduced, with the consequent result of bills to the amount of over $4,000.00, which should be paid from this year's receipts, being carried over into the next year; and this is not done for lack of sufficient funds to pay the bills, as is illustrated by the fact that the receipts for the current year exceeded the expenditures by over $29,000.

**Metropolitan System as Related to Cambridge.**

The past year has been the most important one in the history of the Water Works of our City, not only because of the magnitude of the work planned and in progress, but because of

the Legislative act establishing a Metropolitan water system, which, in the original draft of the bill, included Cambridge among the twenty-seven other cities and towns.

After earnest protest from the Mayor, the City Council, and the Water Board of Cambridge, and repeated inspection by Legislative committees of the proposed new Hobbs Brook Basin and other important work connected therewith, Cambridge was omitted from the provisions of the bill, the Legislature being convinced that our city needed no part of the Metropolitan supply for many years to come.

As the months pass by the wisdom of this course is being demonstrated,—as Cambridge has to-day, and will have for many years to come, an ample supply of water for her needs, and nearly enough water is now, and has been for several weeks, running to waste over our Stony Brook Dam to supply two-thirds of all the water consumed by the twenty-eight cities and towns embraced in the original Metropolitan water bill.

The report of the Metropolitan Water Commission, presented to the Legislature at its last session, showed a daily consumption of water by the cities and towns in the proposed Metropolitan district of 79,623,000 gallons, with a population of 961,087. The amount of water that has gone to waste over our Stony Brook Dam the last month is 1,543,200,000 gallons, or an average of 51,440,000 gallons daily. Could we have stored this water it would have more than half filled the enormous basin now being built at Hobbs Brook.

With proper and adequate safeguards as to pollution entering the streams and with proper care exercised to prevent needless waste of water, there can be no reasonable doubt that the plans now in progress will before long furnish all the water that Cambridge will need for many years to come, and of a quality equal to what the Metropolitan supply will furnish.

It would have been a most unfair thing to have compelled our City to assume any part of the expense of the Metropolitan system until it should be required by us, and our City is to be congratulated on escaping the inequitable and uncalled-for conditions that a participation at present in the Metropolitan

supply would have imposed, for while the bill relieved our City of the use of the water until needed, it would have compelled us to contribute at once to the cost of construction of the work, and this entirely for the benefit of other cities for many years to come.

We need but to refer to page 93 of the report of the Metropolitan Water Supply Commission to convince our citizens that the conditions under which Cambridge was to be forced into the Metropolitan plan would have fixed a severe financial burden on us,—forcing us to increase our water rates, and for a few years to be in great danger of water famine, threatening all our domestic and manufacturing interests, and with results much more beneficial to the other cities and towns in the district than to our own City.

We quote from the report of the Commissioners as follows (page 93) : —

"If the Legislature of 1895 should authorize the construction of the Metropolitan system and thereby make it practically certain that Cambridge would have an additional supply in *a few years*, it would be wiser for the City *not to proceed with the construction of Hobbs Brook Basin*, *the duplicate pipe line from Stony Brook to Fresh Pond*, *and some other parts* of the proposed work.

"While this plan would not be opposed to the best interests of the City of Cambridge, *it would be greatly to the advantage of the rest of the district*, *as the main pipes of the Metropolitan system have to pass through Cambridge in any case* and *its* contribution to the Metropolitan system would be *much more than the cost of supplying it with water under the circumstances.*"

And this report of the Commission was presented to the Legislature after we had made contracts for a large amount and commenced work at Hobbs Brook and Payson Park. To have abandoned this work, as the Commission recommended, and wait "a few years" for the Metropolitan supply, meant a large loss, with no adequate result to Cambridge and *no provision whatever for water for the next few years*, *when it will be imperatively needed.* These two features were enough to condemn the bill so far as Cambridge was concerned.

If at some future day our City should need to supplement its present sources of supply, it will then be time enough to decide what share of the expense of some other system our City should assume. That time seems likely to be many years ahead.

Boston is quite as likely to need at that time a supply additional to the present Metropolitan project, and it may be we shall then need to rely on an *extended* Metropolitan supply for a small additional contribution to our own resources.

Certainly, if, as the report says, it will be necessary to lay their main pipe through our streets, and this twenty-five years or more before we need to take water therefrom, this should give us a right to use it at less cost than if our streets were not needful for the main line of the pipes of the Metropolitan supply.

We suggest to the City Council whether this right to use our main avenues should not be sufficient reason for legislative action in our favor, as a right of way through private property for water mains is always purchased at a cost nearly equal to, or larger than, the value of the land used. And should our main avenues be torn up and be liable to be disturbed at any and all times, and no compensation be allowed? The action of the Legislature and the County Commissioners as to remunerating Waltham, Lexington and Lincoln for certain Cambridge water rights at Hobbs Brook would be a good basis for our argument. We think a bill should be presented to the Legislature properly guarding the interests of our City in this respect.

More or less doubt has existed in the minds of some of our leading citizens as to the wisdom of deciding to rely upon our own resources rather than upon the proposed Metropolitan supply. Both as to quantity and quality of the water, they questioned whether our supply can be depended on for the future as it should be.

During the last six months we have invited several of our prominent citizens to accompany us on our monthly inspection of the new basin, and without exception those who have gone

with us have expressed their amazement and satisfaction as they have seen the ample water resources, and provisions for storing the same in the new basin now under construction at Hobbs Brook.

We are confident that a visit to our new works would be all that is needed to convince any or all of our citizens that we shall have, when our works are completed, an abundance of water for many years to come, and of excellent quality.

Figures may be useful and interesting, as well as convincing, in this connection. The maximum supply of water which can be furnished at present through our 30-inch main from Stony Brook Basin to Fresh Pond is 8,000,000 gallons per day. Add to this the daily natural yield of Fresh Pond, about 1,000,000 gallons, and we have 9,000,000 per day total available supply at present.

The consumption of water last year averaged 6,000,000 gallons per day, so we now have a margin for increased use, of 3,000,000 gallons per day. If we take the average annual increase in the use of water the last eight years,— about 7 per cent.,—we should reach the limit of the present supply main from Stony Brook to Fresh Pond in the year 1900 or 1901. Then we should need an additional main from Stony Brook to Fresh Pond, and these two pipes would afford us all the water we could rely on from our Hobbs Brook system as at present developed, and carry us well into the next century.

It is wise to bear in mind that however ample a supply may be provided, experience has shown that it is difficult in our growing communities to plan much beyond 20 or 25 years, both because the cost involved would be too burdensome on one generation and because the ratio of increased consumption can rarely be accurately anticipated. Economy in consumption is quite as important as apparent abundance of supply.

As Cambridge is likely in the future to be more a residential than a manufacturing city, we can more safely predict a very moderate and steady increase in the use of water.

It is very probable that at no distant day a dual system, similar to that in some European cities, notably Frankfort-

on-the-Main, can be profitably introduced into our own City from other sources than Stony Brook, thus economizing that supply and deferring for many years any necessity for dependence on other than our own resources near at hand.

### Hobbs Brook Basin.

This basin now comprises about 975 acres, considerable land having been added the last year. It is situated in Waltham, Lincoln and Lexington, extending in its extreme length two and one half miles, and nearly one mile wide at its lowest part in Waltham. It will be divided into two sections, the lower section extending from the Winter Street Dam to the Lincoln Street Dam and covering an area of about 692 acres. The upper section from the Lincoln Street Dam to Middle Street, Lexington, embraces about 283 acres. Of this total area about 650 acres will be flooded. The upper basin will be narrower and much shallower than the lower basin, and for this reason, as the average depth of water there will be eight feet, special care has been taken to strip the surface down to a clear gravel or sandy bottom and the sides have been banked to sufficient height to dispose of the surplus material, and to increase the capacity of the reservoir.

The work on this part was commenced early last winter, and Cambridge men and teams were mostly employed all winter and spring, at an expense of nearly $41,000, only $4,000 additional having been paid to laborers and teams from the vicinity of the basin.

The work was prosecuted with quite satisfactory results up to May last, or as long as we could get sufficient men and teams from Cambridge. As soon as work in the City proper offered, the men preferred to return home, and were largely employed in laying our 24-inch Cambridge Street main and the 40-inch Payson Park main.

A contract was made with John H. Leavitt for the completion of the upper basin, divided into two sections, at an estimated expense of $47,000. On account of delay in prosecuting the work, so that it could not be completed in the time named in

the contract, and Mr. Leavitt's inability to raise funds to pay his laborers, he ceased work in September last, and a new contract was made with Frank X. Saucier, he being the lowest bidder, to complete the work. This will cost several thousand dollars more than the contract with Mr. Leavitt, but it is believed that the City is amply covered by the twenty-five per cent. reserved as per contract, and by the bond which the City holds.

Mr. Saucier is prosecuting his work and hopes to have it sufficiently completed so that we can begin to fill the upper basin with water early next spring.

The Lincoln Street Dam, which was contracted for at $22,000 in June, 1895, with Messrs. Gennaro, Long & Little, is progressing well. The gate chamber is nearly done, and the slope paving on the easterly half of the dam and the core wall are well toward completion. This work has been done in a substantial manner. The length of the dam will be about 550 feet.

It is expected we can utilize the upper basin early in the spring of 1896. Its available capacity is estimated at nearly the size of Stony Brook Basin, 300,000,000 gallons, and when filled will insure us against a short supply of water until the lower or larger basin is completed. The balance of this work will be pushed as fast as possible, so as to take advantage of the next spring freshets.

### Lower Basin.

The work of stripping the lower basin has not been commenced yet. The Board is waiting the decision of the County Commissioners as to allowing us to run a branch railroad to the basin to remove the loam. This should have been received before this time.

The Board is also undecided as to how deep it shall go in stripping the loam from those parts of the basin where the water will be over 10 feet deep. There is a difference in expert opinions as to what is necessary.

One section of the basin bordering the County Road in Lincoln, lying between Brook Street and Lincoln Street, has been surveyed for stripping, and bids have been called for. Work on this will probably be commenced very soon, and then we

can better decide as to what should be done with the rest of the basin, as to stripping. It is expected that the entire basin will be ready for use early in 1897.

The Winter Street Dam was contracted for with the Standard Construction and Supply Company, in April, 1895, the amount being $116,000.00.

Some delay occurred in the prosecution of the work, but the Assurance Company, who gave the bond, assumed the responsibility for the completion of the work, and through another party have been vigorously prosecuting it of late. It is expected that the dam and the completion of the new part of Winter Street embraced in the contract, will be done by the summer of 1896, and will be a very substantial piece of work. The total length of this dam will be about 1,650 feet.

When this entire work is completed as at present planned, Cambridge will have a basin holding 2,500,000,000 gallons with an available quantity of 1,500,000,000 gallons, which with our other reservoirs will give us constantly nearly a year's supply of water, on the present basis of consumption. And it will—while insuring, with the main Stony Brook, an ample supply of water to Cambridge for many years—also be a beautiful park for Waltham, Lincoln and Lexington. Cambridge will have the benefit of the water; the other cities and towns will have the benefit of the park without cost to them.

In the last annual report it was stated that, as the Waltham authorities had questioned the right of Cambridge to take the waters of Hobbs Brook or build a basin to store the same, the Legislature had been petitioned to confirm the acts of the city in the taking of lands for building the proposed basin. The Act confirming this was passed May 9, 1895, and thus all doubt as to the legality of the city's action in the matter is removed.

In connection with the work at Hobbs Brook, the Town of Lincoln, under an act of the last Legislature, petitioned the County Commissioners that Cambridge shall re-locate the old County Road from the Waltham line to Concord Turnpike, this to be in consideration of allowing Cambridge the right to

fill the County Road in places, as needed, to grade of adjoining land on the Hobbs Brook Basin filling, so as to avoid flooding the road from the Reservoir. As the filling of the road could not be other than a public benefit, the decision of the County Commissioners, directing Cambridge to lay out a road 50 feet wide, 24 feet of it to be a first-class hard gravel road the entire distance, is inexplicable, as the present County Road is hardly 12 feet of travelled width. Our City Solicitor, after consulting eminent counsel, advises us that the County Commissioners have exceeded their authority and misinterpreted the act, and an appeal has been taken to the Supreme Court, where it is hoped a more just and equitable decision will be given, and in accordance with the evident intent of the act.

The settlements for land taken at Hobbs Brook have been progressing slowly. Settlements for over half the property taken have already been made, to the amount of $89,483.15. Several cases are before Commissioners, and should soon be decided and it is expected that all will be settled the coming year unless counsel for the claiments prefer longer litigation. The plan and practice of the Water Board has been to settle with these parties so fairly that no reasonable cause for litigation could arise.

We are pleased to state that the disturbance among the Italian laborers employed by Mr. Leavitt in the upper basin, occasioned by his having failed to pay them their wages for several weeks, was satisfactorily adjusted after several conferences with them, and all who conformed to the requirements of the statute received their pay in full from the City of Cambridge. His Honor the Mayor gave much valuable advice and co-operation in this matter, and the trouble which some of the daily papers of Boston magnified in conspicuous head-lines, existed only in the lurid conception of some very imaginative newspaper reporters. Neither property nor person were injured by any of the laborers.

The Board of Health, represented by one of their members, accompanied us last month to the Basin for the purpose of advising as to the best method of preventing pollution entering

the Brook in connection with the laborors employed on its borders. Effectual safeguards, as recommended by them, are being adopted, and a competent physician will regularly visit the Basin until its completion to detect any violation of our rules as to this matter, and advise as to any cases of disease among the laborers. Similar and satisfactory methods have been for some time in use by the Boston authorities.

### Payson Park Reservoir.

Work was resumed early in the spring by the contractor, and has proceeded up to this date. The southerly half of the Reservoir is nearly completed sufficient to flood it temporarily with water to the depth of 5 or 6 feet, and thus afford high service this winter directly to the City.

This will be done by the request of the contractor to help preserve the concrete floor so far as it has been accepted. In the spring work will be resumed, and the water drawn off so as to have the Reservoir completed in accordance with the contract, and the northerly half of the basin will be pushed to completion. The entire work should be ready by the spring of 1896, although by the terms of the contract it was to be completed December 1, 1895.

### Fresh Pond.

The necessity of using all our available men in other work, and the delay caused by the required topographical survey of the land around the pond so as to enable Messrs. Olmsted, Olmsted & Eliot properly to mature their plans as to laying out the borders of the Pond, have delayed work in this locality to some extent. Considerable progress, however, has been made on the westerly side between Huron Avenue and the Pond, filling the marshy places that have developed, and laying out the new street within this area.

Some filling has been done on the Concord avenue side in what is known as "Black's Crook," but the Board are still undetermined as to how to deal with this "bottomless pit." It is, however, unnecessary to decide this matter at present.

Another year should show a marked development in carrying out the landscape plans around the Pond, which will, when completed, make one of the most attractive parks in the country.

The large number of trees, shrubs and plants set out last fall to be used in this connection have rooted well, and the "nursery" plan adopted last year promises most satisfactory results.

Considerable loam will be needed for the work around the Pond, and this can be supplied in abundance and of excellent quality from Hobbs Brook Basin, if the Park Commissioners will co-operate, as the Water Board would hardly be warranted in assuming this expense for their Department only. Should the Park Department not think best to do this, it is hardly probable that it will be advisable to utilize it for Fresh Pond Park improvements.

The water in the Pond has been maintained at an average grade of 14.74, or 2.11 feet below high-water grade, 16.85.

Owing to the laying of the 40-inch force main from the Pumping Station to Payson Park, the water in the Pond was drawn down to grade 11.44, or 5.41 feet below high-water mark, so as not to flood the pipe trench in the driveway on the southerly side of the Pond. While the foundation of the new pumping engine is being laid at the Engine House, it will be necessary to keep the Pond down to about grade 13.30 so as prevent flooding the work. But for this our Pond would now have been at high-water mark, as water has for six weeks been running in large quantities to waste over Stony Brook Dam.

An Ordinance was passed by the City Council, April 3, 1895, permitting Cambridge citizens to fish in the pond between four and eight o'clock in the morning under permission of the Board. This privilege has been availed of with hardly a day's omission, except Sundays, and with successful results, both as to encouraging our citizens in early rising and many handsome strings of fish.

### Cambridge Reservoir.

The reservoir and standpipe on Highland Street are in good condition. The satisfactory results obtained by pumping for high service against a head, instead of relying on the standpipe, have been continued. But from now until spring the high service will come directly from Payson Park Reservoir at a pressure of about 62 pounds to the square inch. This should show satisfactory results both as to force and uniformity of pressure.

### New Forty-Inch Main.

Early in the spring a contract was made with our fellow citizens, Edward Kendall & Sons, to furnish the forty-inch riveted steel pipe for our Payson Park System. The supply main extends from Payson Park Reservoir down Elm Street, across School Street and through Richardson brothers' property in Belmont, to Cushing Street (near Huron Avenue), thence through Huron Avenue to Sparks, Brattle and Mason Streets, across Garden Street to Cambridge Common, to Massachusetts Avenue, nearly in front of the Law School. The force main extends from the Payson Park Reservoir as a twin pipe with the supply main until it reaches the railroad bridge at the "Gray Land," Huron Avenue, where it branches off through Fresh Pond Park area and under the Fitchburg Railroad to Worthington Street and the Pumping Station.

All this work of making and laying this pipe, involving an expense, when all is paid, of about $153,000, has been done largely by Cambridge men, and the work will compare with the best of similar work.

The pipe will be laid and the trench filled before cold weather sets in, and it is expected the high service will come through the new main early in December.

It was necessary in going through the Richardson land and Elm Street, Belmont, to make a taking of a right of way for about 1,500 feet in length. Satisfactory settlements have been or will be made with the different parties.

The Payson Park Trustees have co-operated with us in our plans where we touched their territory, and have in every way

afforded us courteous and prompt assistance to complete the work, which will add so much to the value of their property at Payson Park.

In this connection, we report that Mason Street, Brattle Street from Mason Street to Sparks Street, Sparks Street, and a part of Huron Avenue have been re-surfaced and put in first-class condition, and the Common put in far better condition over the pipe line trench than it ever was before, all at the expense of the Water Works Department. The cost of this was about $2,150.00.

### New Pump and Engine House.

A contract was made with the Groshon High Duty Pumping Engine Company for the new pumping engine to be erected in the Engine House. We regret to report that an unreasonable delay has thus far occurred. Mr. E. D. Leavitt has a special and able overseer of this work, who is pushing it all he can, but with unsatisfactory results so far. We have notified the company that we shall hold them responsible for any delay beyond the time allowed for completing the work, July 1, 1896. It is hoped more rapid progress will soon be reported.

To accommodate this monster pumping engine, which will be fifty-four feet from base to top, it has been necessary to lift the top of the Engine House sixteen feet in the centre, and dig down twenty feet under the present base to lay the foundation. Contracts to do this work (with L. P. Soule & Son for foundation, and Charles E. McKinnon for alterations on roof) were closed in October last. The outside work on the roof is nearly completed, and the inside work should be finished the first of the year.

The foundation to the new engine should be completed early next spring. The cost of these two contracts will be $22,304.00.

The pumps now in use are in good order, and consist of two 10,000,000 gallon pumps and two high service pumps of 1,000,000 and 2,250,000 gallons respectively. The latter will be used to pump water into Payson Park Reservoir this winter,

and another spring the plungers of one of the 10,000,000 gallon pumps will be altered so as to be able to pump to the head required at Payson Park Reservoir, 178 feet. This can then then be used until the new 20,000,000 gallon pump is completed.

### Stony Brook Basin.

The works at this Basin are in excellent condition, under the supervision of Mr. Silas Baxter, who carefully and satisfactorily guards our interests there. A suit was brought in the Supreme Court by Mr. Roberts to cover damages for diverting, as he claimed, the water supply for his mill, located just below our Stony Brook Dam. Although it was clearly understood that the award made him by the commissioners six and one-half years since, of $24,281.26, included water damages, yet the court decided otherwise. The case will be re-opened if possible. If not, then a settlement must be made on a basis to be determined. The Board consider this verdict as unjust and clearly contrary to the basis on which the Commissioners' award was made. But as one Commissioner is dead and another has been appointed to a Superior Court Judgeship, the Court decided the case on the statement of the other Commissioner. It is hoped that further evidence may lead the Court to a more righteous decision.

The amount of water that has gone to waste over the dam the last eleven months has been 5,281,900,000 gallons, divided as follows for each month, there being no overflow in December, 1894.

## Overflow for 1895, Stony Brook.

| 1894. | Days. | Gallons. |
|---|---|---|
| December | — | Nothing. |

| 1895. | Days. | Gallons. |
|---|---|---|
| January | 21 | 238,000,000 |
| February | 24 | 40,300,000 |
| March | 30 | 1,294,000,000 |
| April | 30 | 1,412,100,000 |
| May | 29 | 246,800,000 |
| June | 7 | 20,200,000 |
| July | 1 | 14,100,000 |
| August | 26 | 80,700,000 |
| September | 9 | 11,100,000 |
| October | 17 | 381,400,000 |
| November | 30 | 1,543,200,000 |

## Rainfall for the Last Ten Years.

| Month. | 1886. | 1887. | 1888. | 1889. | 1890. | 1891. | 1892. | 1893. | 1894. | 1895. |
|---|---|---|---|---|---|---|---|---|---|---|
| | In. | In. | In. | In. | In. | In. | In. | In. | In. | In. |
| December | 1.82 | 5.23 | 4.22 | 6.67 | 3.36 | 4.40 | 6.78 | 1.23 | 5.23 | 4.43 |
| January | 6.41 | 5.28 | 3.32 | 6.64 | 2.94 | 6.68 | 4.32 | 1.87 | 3.05 | 3.57 |
| February | 7.35 | 4.66 | 3.95 | 2.81 | 5.22 | 4.61 | 2.46 | 6.43 | 2.91 | 1.07 |
| March | 3.49 | 4.46 | 5.55 | 3.29 | 7.02 | 5.74 | 3.56 | 2.50 | 0.84 | 2.68 |
| April | 2.43 | 3.94 | 2.60 | 3.73 | 4.83 | 2.72 | 0.77 | 3.25 | 2.94 | 4.15 |
| May | 3.92 | 1.79 | 6.36 | 5.65 | 6.09 | 2.44 | 6.06 | 7.30 | 4.63 | 2.39 |
| June | 1.48 | 1.86 | 3.25 | 3.41 | 3.51 | 4.01 | 4.23 | 2.18 | 0.81 | 2.76 |
| July | 3.54 | 4.19 | 2.87 | 8.53 | 2.77 | 3.06 | 2.53 | 2.26 | 2.88 | 3.28 |
| August | 3.20 | 4.10 | 7.08 | 3.78 | 3.48 | 3.68 | 6.11 | 5.95 | 1.63 | 4.71 |
| September | 4.64 | 1.36 | 8.28 | 5.30 | 4.05 | 2.73 | 1.84 | 1.76 | 2.40 | 1.83 |
| October | 3.63 | 3.22 | 4.83 | 3.73 | 9.31 | 5.10 | 2.15 | 3.77 | 5.19 | 10.16 |
| November | 4.22 | 3.90 | 7.70 | 6.51 | 1.28 | 3.08 | 4.04 | 1.99 | 3.34 | 6.09 |
| Total | 46.12 | 43.99 | 60.01 | 60.08 | 53.80 | 48.25 | 44.85 | 40.49 | 35.85 | 47.12 |

### Cambridge Street Main.

Our new 24-inch main, with small sections of 20-inch and 12-inch, has been laid the past year in Cambridge Street, from Cambridge Common to First Street, East Cambridge, at a cost of $46,779.55 for pipe and labor,—the latter amounting to $13,754.63 paid to Cambridge men.

This main takes the place of the 20-inch cement-lined pipe which has been used for twenty-four years. The work was done most expeditiously. The street has been repaved at the expense of the Water Works Department, at a cost of $2,203.64.

### Work to be Done.

The coming year will not require much done in large mains, but many smaller main pipes and all the cement-lined pipes should be replaced by iron pipes, and it is probable quite as large an amount must be appropriated as last year for this purpose.

### Saving in Material and Work.

The large operations undertaken the past year, involving in contracts over $650,000, were made on most satisfactory prices. The steel pipe was purchased at the lowest price ever known, and the iron pipe also at very low prices. The new pumping engine was contracted for at a very satisfactory price, and the contracts for the various sections of work at Payson Park and Hobbs Brook could not now be duplicated. It is safe to say that the City will save at least $100,000 by contracting at the times we did for these works.

### Water Rates.

The only changes during the year have been a reduction of rates for houses used for students' lodgings, making them the maximum rate for family use, $15.00, instead of special rates, as formerly.

The rate for metered water has been changed from two to three cents per hundred gallons for all but manufacturing purposes, which remains the same as formerly. This change was recommended as a safer basis of revenue, if a more general use

of metered water for domestic purposes should be adopted, as seems probable, and would better equalize with other rates in our schedule.

We strongly advise that no change in the water rates be made the coming year. With the large amount of money that will be required for the Hobbs Brook Basin, Payson Park Reservoir, Fresh Pond improvements and general construction and maintenance, it will be hazardous to attempt any further reduction in rates at present. Should the revenue fail to supply the amount required, the balance must go into the general tax levy, or water rates be increased. We think with the present rates we can take care of any probable demands on our department.

The bills for water rates sent out from this office the last year amounted to $273,845.77, and of this sum all but $229.10 has been paid, a result which speaks well for the system and vigilance with which this work has been attended to at the Water Office.

Our Water Registrar has attended carefully to the duties of his position, and our office business speaks well for his supervision. During the year a new clerk, in the Superintendent's department, has been added, the office work having accumulated faster than it could be properly attended to. Miss Milligan, who has so long and ably filled the position of Superintendent's Assistant, has been complimented (by recommendation of our Board) by the Finance Committee in having her salary raised from $12 to $15 per week. The Board also recommended an increase of $200 in the salary of Mr. Lincoln, the Registrar's Assistant, and we hope the Finance Committee may report favorably on the recommendation.

We have preferred to have longer office hours with less clerical help, believing we should have more efficient service and better results, and we are sure this has proved to be the correct plan.

The position of Superintendent, made vacant by the death of Mr. Harrington, has been temporarily filled by the appointment of Mr. E. C. Brooks, who for twenty-five years has been

Engineer at the Pumping Station. Mr. Brooks' familiarity with the whole system has made his services of great value, and the work has gone on without interruption. But as Mr. Brooks will have considerable extra responsibility and care in the erection of the new pumping engine and the necessary preparation for it, the Board can hardly expect him to discharge the double duties of Superintendent and Engineer for a much longer period.

Two months since, Mr. C. B. Parker was chosen as assistant superintendent. He came well recommended, and has had a practical training in the Engineer's and Park Departments of our City.

**Water Supplied and Consumed.**

| | Gallons. |
|---|---|
| Total pumped in 1894 | 2,127,878,627 |
| " " " 1895 | 2,190,781,892 |
| Daily average pumping for high service | 458,960 |
| " " " " low service | 5,543,452 |
| Showing daily average consumption in 1895 | 6,002,142 |
| Daily average consumption in 1894 | 5,829,804 |

Increase of daily average, 172,338 gallons, or 3 per cent.

We refer to the Superintendent's report for further details.

Our relations with the Executive have been of the most cordial character. We bear united testimony to his unfailing attention to our requests and his constant and vigilant inspection with us of the progress of the great work done the past year. His advice and co-operation have been of great service to the City in this direction. We bear grateful testimony to the continued confidence of the City Council in all our plans and recommendations. It is a very considerable compensation for our gratuitous services to the City.

The Water Board have endeavored carefully and wisely to administer their trust. We believe one of the reasons for the continued success of the Water Department is because it has been and is conducted on business principles. We believe our fellow citizens desire it to be continued on that basis, and it must be so maintained if the results in future years are to compare favorably with the past.

Nothing has occurred during the year to mar the mutually pleasant relations among the members of the Board, and we look forward to another year with united desire that the interests of our City may be greatly advanced and protected in the large plans of the Water Board as already submitted for your consideration.

We are pleased to report that the last analysis of Hobbs Brook water, made a few weeks since by Professor Wood, shows it to be of good quality and free from all deleterious substance, although somewhat more colored than usual, owing to recent heavy rains and consequent larger surface flowage.

Respectfully submitted,

JAMES M. W. HALL,
GEORGE H. HOWARD,
STILLMAN F. KELLEY,
E. BURT PHILLIPS,
FRANK A. ALLEN.

# REPORT OF THE WATER REGISTRAR.

WATER REGISTRAR'S OFFICE,
CAMBRIDGE, December 10, 1895.

*To the Cambridge Water Board:*

GENTLEMEN:—In compliance with the requirements of the City Ordinance, I present the thirty-first annual report of the operations of this Department, showing the receipts, expenditures and abatements, together with a statement of the number of water-takers, etc., for the year ending November 30th, 1895.

| | | |
|---|---|---|
| Amount of bills remaining unpaid Nov. 30th, 1894:— | | |
| Water rates | $730 80 | |
| Meter rates | 873 08 | |
| Supplies and repairs | 1,969 64 | |
| Off and on | 84 00 | |
| Seals | 22 00 | |
| Rent | 640 69 | |
| Maintenance account | 296 23 | |
| Amount of bills placed in the hands of City Treasurer for collection, from Nov. 30, 1894, to Nov. 30, 1895:— | | |
| Water rates | 209,257 35 | |
| Meter rates | 64,588 42 | |
| Supplies and repairs | 9,361 72 | |
| Off and on | 595 40 | |
| Seals | 167 75 | |
| Rent | 142 65 | |
| Maintenance account | 1,097 11 | |
| Construction account | 1,916 59 | |
| Total bills | | $291,743 43 |
| *Amount carried forward* | | $291,743 43 |

| | | |
|---|---|---|
| *Amount brought forward* | | $291,743 43 |
| There have been collected: — | | |
| Water rates | $204,657 50 | |
| Meter rates | 64,681 72 | |
| Off and on | 573 40 | |
| Seals | 178 25 | |
| Supplies and repairs | 8,659 15 | |
| Rents | 96 00 | |
| Maintenance account | 1,062 11 | |
| Construction account | 1,833 52 | |
| There have been abated: — | | |
| Water rates | 4,892 48 | |
| Supplies and repairs | 9 72 | |
| There remain unpaid: — | | |
| Water rates | 488 35 | |
| Meter rates | 749 35 | |
| Supplies and repairs | 2,662 49 | |
| Off and on | 90 00 | |
| Seals | 7 75 | |
| Rent | 687 34 | |
| Maintenance account | 331 23 | |
| Construction account | 83 07 | |
| | | $291,743 43 |

**Expenditures.**

| | | |
|---|---|---|
| Construction account (general) | $17,699 57 | |
| " " (Fresh Pond Reservoir) | 42,167 34 | |
| " " (Hobbs Brook Reservoir) | 182,065 50 | |
| " " (Payson Park Reservoir) | 249,798 16 | |
| " " (Fresh Pond Land) | 4,958 35 | |
| Maintenance account (General) | 25,397 59 | |
| " " (Office) | 5,868 87 | |
| " " (Pumping) | 14,669 18 | |
| " " (Renewal of main pipe) | 45,042 66 | |
| " " (Stony Brook Reservoir) | 1,078 52 | |
| Supply account | 6,905 02 | |
| | | $595,650 76 |

**Abatements.**

| | | |
|---|---|---|
| Water rate bills to the amount of | $4,892 48 | |
| Supply and repair bills to the amount of | 9 72 | |
| | | $4,902 20 |

### Refunds.

| | | |
|---|---|---|
| Water rates to the amount of . . . . . | $2,525 60 | |
| Which amount, deducted from the receipts . | 269,339 22 | |
| Leaves net receipts for water . . . . . | $266,813 62 | |
| Add off and on, rents and seals and maintenance account . . . . . | 1,909 76 | |
| Makes net receipts of "rates, fines, etc." . . | | $268,723 38 |

### Off and On.

Water has been shut off for non-payment of rates, or per order on account of vacancy, and seals have been applied to fixtures by request of owners, as follows: —

| | |
|---|---|
| Water shut off in 1895 . . . . . | 584 |
| Supplies let on, shut off in 1895 . . . . . | 424 |
| Supplies let on, shut off in previous years . . . . . | 75 |
| New supplies let on . . . . . | 485 |
| Seal locks applied to fixtures in 1895 . . . . . | 921 |
| Seal locks removed, put on in 1895 . . . . . | 455 |
| Seal locks removed, put on in previous years . . . . | 437 |

## Comparative Statement.

| | 1894. | | 1895. | |
|---|---|---|---|---|
| CONSTRUCTION ACCOUNT (PAYSON PARK RESERVOIR). | | | | |
| *Received.* | | | | |
| From bonds issued | $155,300 00 | — | $440,000 00 | |
| From sale of loam | 2,902 20 | — | — | |
| From premium on bonds sold | | | 33,264 00 | |
| | | $158,202 20 | | $473,264 00 |
| *Expended.* | | | | |
| Forty-inch pumping and distributing mains, Payson Park Reservoir, etc., etc. | $10,423 91 | — | $249,798 16 | |
| Balance of appropriation | 147,778 29 | | 223,465 84 | |
| | | 158,202 20 | | 473,264 00 |
| CONSTRUCTION ACCOUNT (HOBBS BROOK RESERVOIR). | | | | |
| *Received.* | | | | |
| From bonds issued | $100,000 00 | — | $425,000 00 | |
| From premium on bonds | 22,323 00 | — | — | |
| From sale of grass, feed and asparagus | | | 796 78 | |
| | | $122,323 00 | | $425,796 78 |
| *Expended.* | | | | |
| Settlement for estates taken, building Winter and Lincoln Street dams and stripping basin above Lincoln Street | $51,378 46 | — | $182,065 50 | |
| Balance of appropriation | 70,944 54 | | 243,731 28 | |
| | | 122,323 00 | | 425,796 78 |
| CONSTRUCTION ACCOUNT (FRESH POND LAND). | | | | |
| *Received.* | | | | |
| From bonds issued | | $52,000 00 | | $65,000 00 |
| *Expended.* | | | | |
| Settlement for estates taken | $28,489 89 | — | $4,958 35 | |
| Balance of appropriation | 23,510 11 | | 60,041 65 | |
| | | 52,000 00 | | 65,000 00 |
| CONSTRUCTION ACCOUNT (FRESH POND RESERVOIR). | | | | |
| *Received.* | | | | |
| From bonds issued | $31,632 06 | — | $17,153 46 | |
| From excess of receipts from "Rates, fines, etc." | 34,000 00 | — | 25,000 00 | |
| From sale of plants | — | — | 13 88 | |
| | | $65,632 06 | | $42,167 34 |
| *Expended.* | | | | |
| For filling and grading at Fresh Pond | | 65,632 06 | | 42,167 34 |

## Comparative Statement (*continued*).

| | 1894. | | 1895. | |
|---|---|---|---|---|
| CONSTRUCTION ACCOUNT (GENERAL). | | | | |
| *Received.* | | | | |
| From bonds issued | $40,000 00 | — | $16,676 71 | |
| From sale of buildings at Fresh Pond | 1,239 00 | — | — | |
| From fire supplies put in on premises, etc., etc. | — | | 1,022 86 | |
| | | $41,239 00 | | $17,699 57 |
| *Expended.* | | | | |
| Sundry bills | — | 41,239 00 | — | 17,699 57 |
| MAINTENANCE ACCOUNT. | | | | |
| *Received.* | | | | |
| Accrued interest on water bonds sold | $816 67 | — | $1,555 56 | |
| Sale of grass, wood, old iron, etc. | 967 89 | — | 1,062 11 | |
| From "Rates, fines, etc." | 251,148 67 | | 267,661 27 | |
| | | $252,933 23 | | $270,278 94 |
| *Expended.* | | | | |
| Care and repairs | $51,519 03 | — | $92,056 82 | |
| Interest on water debt | 82,405 00 | — | 81,615 00 | |
| Paid to Sinking Fund Commissioners | 65,152 50 | — | 69,142 50 | |
| Public sanitaries | 825 44 | | | |
| | | 199,901 97 | | 242,814 32 |
| Excess of receipts | — | $53,031 26 | — | $27,464 62 |
| SUPPLY ACCOUNT. | | | | |
| *Received.* | | | | |
| Pipe and labor on supplies | — | $5,648 99 | — | $8,659 15 |
| *Expended.* | | | | |
| Sundry bills for stock and labor | — | 5,297 71 | — | 6,905 02 |
| Excess of receipts | | $351 28 | | $1,754 13 |

**Comparative Statement** (*continued.*)

| | | | |
|---|---|---|---|
| **1894.** | Maintenance Account, excess of receipts . . | $53,031 26 | |
| | Supply Account, excess of receipts . . . . . | 351 28 | |
| | Excess of total receipts over total expenditures . . . . . | $53,382 54 | |
| | Transferred to Construction Account (Fresh Pond Reservoir) . . . . . | 34,000 00 | |
| | Balance due the Sinking Fund . . . . | | $19,382 54 |
| **1895.** | Maintenance Account, excess of receipts . . | $27,464 62 | |
| | Supply Account, excess of receipts . . . . . | 1,754 13 | |
| | Excess of total receipts over total expenditures . . . . . | $29,218 75 | |
| | Transferred to Construction Account (Fresh Pond Reservoir) . . . . . | 25,000 00 | |
| | Balance due the Sinking Fund . . . . . | | $4,218 75 |

Statement of the yearly revenue received from water rates since the purchase of the works by the City: —

| | | | | | |
|---|---|---|---|---|---|
| From | April 28, 1865, | to | Dec. 1, 1865 | . . . . | $32,367 19 |
| " | Dec. 1, 1865, | " | 1, 1866 | . . . . | 40,073 27 |
| " | " 1, 1866, | " | 1, 1867 | . . . . | 52,733 62 |
| " | " 1, 1867, | " | 1, 1868 | . . . . | 63,747 42 |
| " | " 1, 1868, | " | 1, 1869 | . . . . | 76,149 30 |
| " | " 1, 1869, | " | 1, 1870 | . . . . | 92,605 95 |
| " | " 1, 1870, | " | 1, 1871 | . . . . | 111,782 65 |
| " | " 1, 1871, | " | 1, 1872 | . . . . | 127,201 30 |
| " | " 1, 1872, | " | 1, 1873 | . . . . | 146,117 32 |
| " | " 1, 1873, | " | 1, 1874 | . . . . | 153,634 27 |
| " | " 1, 1874, | " | 1, 1875 | . . . . | 138,880 37 |
| " | " 1, 1875, | " | 1, 1876 | . . . . | 179,166 76 |
| " | " 1, 1876, | " | 1, 1877 | . . . . | 154,843 59 |
| " | " 1, 1877, | " | 1, 1878 | . . . . | 157,443 91 |
| " | " 1, 1878, | " | 1, 1879 | . . . . | 164,681 90 |
| " | " 1, 1879, | " | 1, 1880 | . . . . | 173,325 49 |
| " | " 1, 1880, | " | 1, 1881 | . . . . | 170,062 73 |
| " | " 1, 1881, | " | 1, 1882 | . . . . | 177,430 80 |
| " | " 1, 1882, | " | 1, 1883 | . . . . | 179,361 89 |
| " | " 1, 1883, | " | 1, 1884 | . . . . | 161,526 27 |
| " | " 1, 1884, | " | 1, 1885 | . . . . | 185,544 36 |
| " | " 1, 1885, | " | 1, 1886 | . . . . | 199,404 43 |
| " | " 1, 1886, | " | 1, 1887 | . . . . | 204,748 64 |
| " | " 1, 1887, | " | 1, 1888 | . . . . | 211,156 27 |
| " | " 1, 1888, | " | 1, 1889 | . . . . | 221,124 70 |

| | | | | | |
|---|---|---|---|---|---|
| From Dec. | 1, 1889, | to Dec. | 1, 1890 | . . . . | $231,116 32 |
| " " | 1, 1890, | " | 1, 1891 | . . . . | 227,054 53 |
| " " | 1, 1891, | " | 1, 1892 | . . . . | 237,527 08 |
| " " | 1, 1892, | " | 1, 1893 | . . . . | 242,219 78 |
| " " | 1, 1893, | " | 1, 1894 | . . . . | 250,032 71 |
| " " | 1, 1894, | " | 1, 1895 | . . . . | 266,813 62 |

In addition to the manufactories, etc., supplied through meters, water is supplied to 18,849 families; 1,091 stables, with 3,281 horses and 295 cows; 313 shops; 736 offices and stores, by the following fixtures, viz.:—

22,716 faucets,
7,101 wash basins,
8,315 wash tubs,
5,298 bath tubs,
546 slop closets,
17,149 pan closets,
15 hopper closets,
92 urinals,
22 yard hydrants,
5 fountains,
44 tumbler washers,
1,942 hand hose,
11 motors.

Also,

859 fire hydrants (beside 19 on private premises),
8 fire reservoirs,
22 drinking fountains in public squares,
57 street-watering standpipes,
4 public sanitaries.

The above schedule of fixtures does not include those in school houses, engine houses, police stations, and other city buildings.

The usual house-to-house inspection of the service pipes and fixtures on the premises of the water takers has been made with the usual satisfactory and remunerative results.

Respectfully submitted,

WALTER H. HARDING,

*Registrar.*

# ANNUAL STATEMENT OF THE WATER REGISTRAR TO THE COMMITTEE ON ACCOUNTS, DECEMBER 1, 1895.

| | | | |
|---|---|---|---|
| Water rates unpaid, Nov. 30th, 1894 | | $1,603 88 | |
| Off and on rates unpaid, Nov. 30th, 1894 | | 84 00 | |
| Rent unpaid, Nov. 30th, 1894 | | 640 69 | |
| Seals unpaid, Nov. 30th, 1894 | | 22 00 | |
| Maintenance unpaid, Nov. 30th, 1894 | | 296 23 | |
| | | | $2,646 80 |
| Bills placed in hands of City Treasurer for collection, from Dec. 1, 1894, to Dec. 1, 1895: — | | | |
| Water Rates from Annual Ledgers | $194,857 05 | | |
| Water Rates from Fractional Ledgers | 14,400 30 | | |
| Water Rates from Meter Ledgers | 64,588 42 | | |
| Off and on water | 595 40 | | |
| Rent | 142 65 | | |
| Seals | 167 75 | | |
| Maintenance Account | 1,097 11 | | |
| Construction Account | 1,916 59 | | |
| | | $277,765 27 | |
| Total bill on "Rates, Fines, etc.," and Construction Account | | $280,412 07 | |
| Supply and repair bills unpaid, Nov. 30, 1894 | $1,969 64 | | |
| Supply and repair bills placed in hands of City Treasurer for collection, from Dec. 1, 1894, to Dec. 1, 1895 | 9,361 72 | | |
| | | 11,331 36 | |
| Total bills | | | $291,743 43 |
| There has been collected: — | | | |
| Annual Ledgers | $193,726 55 | | |
| Fractional Ledgers | 10,930 95 | | |
| Meter Ledgers | 64,681 72 | | |
| *Amount carried forward.* | $269,339 22 | | |

| | | | |
|---|---|---|---|
| *Amount brought forward* . . . . | $269,339 22 | | |
| Off and on Ledgers . . . . . | 573 40 | | |
| Rent Ledgers . . . . . | 96 00 | | |
| Seals Ledgers . . . . . | 178 25 | | |
| Maintenance Account . . . . . | 1,062 11 | | |
| Construction Account . . . . . | 1,833 52 | | |
| Total collection on "Rates, Fines, etc." and Construction Account . . . . | | $273,082 50 | |
| Collections on Supply and Repairs Accounts . . . . . | | 8,659 15 | |
| Total collections . . . . . | | $281,741 65 | |
| There has been abated, Water Rates . | $4,892 48 | | |
| There have been abated, Supplies and Repairs . . . . . | 9 72 | | |
| There remain uncollected: — | | | |
| Water Rates . . . . . | 1,237 70 | | |
| Supplies and Repairs . . . . . | 2,662 49 | | |
| Off and on . . . . . | 90 00 | | |
| Seals . . . . . | 7 75 | | |
| Rent . . . . . | 687 34 | | |
| Maintenance Account . . . . . | 331 23 | | |
| Construction Account . . . . . | 83 07 | | |
| | | 10,001 78 | |
| | | | $291,743 43 |
| Total bills for collection . . . . . | | $291,743 43 | |
| Less abated . . . . . | $4,902 20 | | |
| Less refunded . . . . . | 2,525 60 | | |
| Less unpaid . . . . . | 5,099 58 | | |
| | | 12,527 38 | |
| Net receipts . . . . . | | | $279,216 05 |

Attest: WALTER H. HARDING.
*Registrar.*

CAMBRIDGE, December 13th, 1895.

We have examined the accounts of the Water Registrar and find that they correspond with the record submitted by the City Treasurer and Auditor in every item.

FRANK A. ALLEN
STILLMAN F. KELLEY
} *Committee on Accounts.*

OFFICE OF CITY TREASURER,
CAMBRIDGE, December 1, 1895.

*To the Cambridge Water Board:—*

GENTLEMEN:—I give you herewith a record of the transactions between the Water Office and the City Treasurer's Office, during the year ending November 30, 1895:—

| | |
|---|---|
| Gross collections for account of Water Works, "Rates, fines, etc." | $275,079 35 |
| Abatement certificates received and paid on "Water Rates" | 4,892 48 |
| Gross collections for account of "Water Works Supply Account" | 8,668 87 |
| Abatement certificates received and paid on "Supply Account" | 9 72 |
| "Refund" certificates have been presented and paid to the amount of | 2,525 60 |
| Uncollected bills in my hands, November 30, 1895, for account of "Maintenance" and "Water Rates" amount to | 2,354 02 |
| Uncollected bills in my hands, November 30, 1895, for account of "Supplies, Repairs, etc.," amount to | 2,662 49 |
| Gross collections for account of "Water Works Construction, General Account" | 1,022 86 |
| Gross collections for account of "Water Works Construction, Fresh Pond Reservoir Account" | 13 88 |
| Gross collections for account of "Water Works Construction, Hobbs Brook Reservoir Account" | 796 78 |
| Gross collections for account of "Water Works Maintenance, General Account" | 1,062 11 |

Very respectfully,

WILLIAM W. DALLINGER,

*City Treasurer.*

CAMBRIDGE, December 11, 1895.

I have examined the above statement and find the same correct.

HARRY T. UPHAM,

*City Auditor.*

# REPORT OF THE SUPERINTENDENT OF WATER WORKS.

---

CAMBRIDGE, December 1, 1895.

*To the Honorable Water Board of the City of Cambridge:—*

GENTLEMEN:—In compliance with the City Ordinance, I herewith submit the Thirty-first Annual Report of the Superintendent, for the year ending Nov. 30th, 1895.

On August 16th, Mr. John L. Harrington, Superintendent for the past year, died, and on August 19th I was elected Acting Superintendent.

## Consumption.

The total amount of water pumped during the past year was 2,190,781,892 gallons.

| | | |
|---|---|---|
| High service | 167,421,842 | gallons. |
| Low " | 2,023,360,050 | " |
| Daily average pumped during the year was | 6,002,142 | gallons. |
| High service | 458,690 | gallons. |
| Low " | 5,543,452 | " |
| Amount of water sold by meter | 532,303,500 | " |
| " " " used for sprinkling streets | 89,575,575 | " |
| " " " " " drinking fountains | 30,000,000 | " |
| " " " " " flushing sewers | 1,250,000 | " |
| " " " " " cleansing sanitaries | 7,500,000 | " |
| Total | 660,629,075 | " |
| Leaving for domestic purposes | 1,530,152,817 | " |

Number of gallons daily for each inhabitant, on the total amount pumped, 71.65 gallons.

Number of gallons daily for each inhabitant, on the amount used for domestic purposes, including water for private stables, hose, building and fire purposes, 50.04 gallons.

## Comparative Statement of Total Pumping During the Past 6 Years.

| Date. | Total Yearly Pumping. | Increase or Decrease. | Average Daily Pumping. | Increase or Decrease. | Gallons to each inhabitant daily |
|---|---|---|---|---|---|
| 1890 | 1,638,550,512 | 112,111,507, increase | 4,489,178 | 307,155, increase | 62.35 |
| 1891 | 1,778,056,775 | 139,506,263, " | 4,871,388 | 382,210, " | 64.71 |
| 1892 | 1,961,362,760 | 183,305,985, " | 5,358,914 | 487,526, " | 66.00 |
| 1893 | 2,234,863,924 | 273,501,164, " | 6,122,915 | 764,001, " | 74.50 |
| 1894 | 2,127,878,627 | 106,985,297, decrease | 5,829,804 | 293,111, decrease | 69.19 |
| 1895 | 2,190,781,892 | 62,903,265, increase | 6,002,142 | 172,338, increase | 71.65 |

## Comparative Statement of Domestic Pumping During the Past 6 Years.

| Date. | Domestic Yearly Pumping. | Increase or Decrease. | Average Daily Pumping. | Increase or Decrease. | Gallons to each inhabitant daily |
|---|---|---|---|---|---|
| 1890 | 1,217,062,012 | 61,140,305, increase | 3,334,416 | 167,507, increase | 46.08 |
| 1891 | 1,270,360,425 | 53,298,413, " | 3,480,439 | 146,023, " | 46.24 |
| 1892 | 1,426,400,135 | 156,039,710, " | 3,897,268 | 416,829, " | 48.00 |
| 1893 | 1,668,235,574 | 241,835,439, " | 4,570,509 | 673,241, " | 55.61 |
| 1894 | 1,547,943,977 | 120,291,597, decrease | 4,240,942 | 329,567, decrease | 50.34 |
| 1895 | 1,530,152,817 | 17,791,160, " | 4,192,199 | 48,743, " | 50.04 |

| | |
|---|---|
| Total amount of coal consumed | 3,422,650.00 lbs. |
| Daily average | 9,377.00 " |
| Coal consumed per million gallons pumped | 1,562.29 " |
| Highest water in Fresh Pond was on June 2 | 17.30 |
| Lowest " " " " " " Sept. 15 | 11.44 |
| Highest " " Stony Brook Reservoir was on April 15 | 82.56 |
| Lowest water in Stony Brook Reservoir was on Dec. 11 | 74.81 |
| Daily average height of Fresh Pond | 14.74 |
| Total rainfall at pumping station | 47.12 in. |
| " " " Stony Brook Reservoir | 50.52 " |

### Fresh Pond and Surroundings.

The quality of the water has been fully as good as in past years, and the quantity has been sufficient for all needs. The water was drawn down during August and September for the purpose of laying the new 40-inch pumping main along the shore of the pond near Boathouse Nook, and has since been kept at a low stage to facilitate work on the foundations for the new engine at the pumping station.

The driveway has been regularly watered, and the grass on the borders and banks kept cut. The slope of the bank on the southerly side, above the retaining wall, seems to be too steep to stand, as large pieces of the sod have slid off during some of the recent heavy rains. All grass not needed has been sold standing.

The work of filling and grading around the pond was begun on July 1, and has continued through the season. All work done since the latter part of August has been in accordance with the plans of Olmsted, Olmsted & Eliot, and has been confined to the position along Huron Avenue, near White's Bank. The work of filling in "Black's Crook" was stopped July 27, the mud showing no signs of giving away from the filling.

The ordinance in regard to fishing in the pond having been so amended as to permit it under such regulations as the Water Board should prescribe, a boat was purchased and permits granted to all citizens of Cambridge who made application. The hours fixed upon are from 4 to 8 A.M. during the summer, and from 6 to 10 A.M. during October and November. 185 permits have been granted, and 127 have been used.

### Pumping Station and Surroundings.

The work going on this season and that to follow next will not allow of keeping the grounds about the station in the condition we could wish for. The alterations on the building and the foundation for the new engine are well advanced.

I would repeat the recommendation of last year, that the dwelling houses at the station be painted.

## Fresh Pond Reservoir.

| | Lowest Point Reached During Month. | Highest Point Reached During Month. | Monthly Rainfall, Inches. | INTAKE GATE. | | | |
|---|---|---|---|---|---|---|---|
| | | | | EIGHTH OPENING. | | THIRTIETH OPENING. | |
| | | | | Opened Full Capacity. | Closed. | Opened Full Capacity. | Closed. |
| December 1, 1894 | 12.41 | | | During entire month. | | During entire month. | |
| " 31, " | | 13.88 | 4.43 | | | | |
| January 1, 1895 | 43.90 | | | During entire month. | | During entire month. | |
| " 31, " | | 15.31 | 3.57 | | | | |
| February 1, " | 15.35 | | | During entire month. | | During entire month. | |
| " 28, " | | 15.66 | 1.07 | | | | |
| March 1, " | 15.68 | | | During entire month. | | | March 19. |
| " 31, " | | 16.65 | 2.68 | | | | |
| April 15, " | | 16.92 | | During entire month. | | | During entire month. |
| " 22, " | 16.58 | | 4.15 | | | | |
| May 8, " | 16.66 | | | During entire month. | | May 8. | |
| " 31, " | | 17.29 | 2.39 | | | | |
| June 2, " | | 17.30 | | | June 5. | | June 5. |
| " 26, " | 16.30 | | 2.76 | June 11. | | June 11. | |
| July 10, " | | 16.93 | | | July 11. | | July 11. |
| " 31, " | 14.73 | | 3.28 | July 31. | | July 31. | |
| August 8, " | | 14.92 | | | August 6. | | August 6. |
| " 31, " | 12.67 | | 4.71 | | | | |
| September 1, " | | 12.63 | | September 14. | | | During entire month. |
| " 15, " | 11.44 | | 1.83 | | | | |
| October 3, " | 11.56 | | | During entire month. | | | During entire month. |
| " 31, " | | 12.70 | 10.16 | | | | |
| November 1, " | 12.98 | | | During entire month. | | | During entire month. |
| " 27, " | | 13.56 | 6.09 | | | | |
| Total | | | 47.12 | | | | |

### Reservoir.

The reservoir on Highland Street has needed no repairs during the year and is in good condition.

The standpipe should be painted if it is intended to be kept after the completion of Payson Park Reservoir.

### Pipe Yard.

The buildings at the pipe yard are in good condition.

### Pipe Bridges.

The Massachusetts Avenue bridge has been repaired and is in good condition. The Mt. Auburn bridge has needed no repairs. The bridge over the Charles River at Brookline Street is in the same condition as at the date of the last report.

### High Service.

In order to extend the high service to an apartment house on Ellery Street, the check valve was moved south 207 feet.

The high service system has been extended in Highland Street to cover some new houses built upon the hill.

In Massachusetts Avenue 135 feet of 6-inch pipe have been laid, and three valves set in order to extend the high service to Central Square.

### Leakage and Waste.

During the year all the main pipes east of Prospect and Magazine Streets have been inspected by shutting off sections during the night. It was the intention to have continued the inspection through the rest of the City, but it did not seem practicable to do so.

The consumption of water this year will compare very favorably with last, when we consider that no restrictions as to the use of hand hose have been made, and that the rainfall during the summer months was very little more than last year.

The number of leaks stopped has been as follows: one on 3-inch main; five on 4-inch mains; five on 6-inch mains; one

on 8-inch main; one on 12-inch main; two on 20-inch mains; two on 20-inch cement mains; one on 24-inch pumping main; four on Stony Brook Line; ninety-nine on supplies in the street; 1212 on premises—making a total of 1332 leaks stopped. Of these, 1193 were found by inspectors and were repaired by the owner or occupant.

**Table Showing a Gain or Loss in Total Consumption for the Year 1895 over 1894.**

| | Total Consumption, 1894. | Total Consumption, 1895. | Increase or Decrease. + or — |
|---|---|---|---|
| December, 1894 . | 188,418,350 | 169,049,300 | — 19,369,050 |
| January, 1895 . | 185,716,360 | 183,412,815 | — 2,303,545 |
| February, " . | 173,946,620 | 193,957,360 | + 20,010,740 |
| March, " . | 169,404,760 | 170,548,450 | + 1,143,690 |
| April, " . | 161,559,235 | 163,043,803 | + 1,484,568 |
| May, " . | 182,975,952 | 188,377,081 | + 5,401,129 |
| June, " . | 197,204,015 | 200,568,600 | + 3,364,585 |
| July, " . | 205,709,330 | 192,261,840 | — 13,457,490 |
| August, " . | 179,500,505 | 193,464,380 | + 13,963,875 |
| September, " . | 167,571,040 | 188,626,178 | + 21,055,138 |
| October, " . | 163,760,190 | 182,274,415 | + 18,514,225 |
| November, " . | 152,112,270 | 165,207,670 | + 13,095,400 |
| Total . . . . | 2,127,878,627 | 2,190,781,892 | + 62,903,265 |

**Main Pipe.**

Main pipes have been laid in the following streets: 4 feet of 8-inch in Appleton Street; 281 feet of 4-inch in Ashton Place; 232 feet of 8-inch and 20 feet of 6-inch in Athenæum Street; 24 feet of 6-inch in Austin Street; 194 feet of 6-inch in Berkshire Street; 1117 feet of 12-inch and 33 feet of 4-inch in Binney Street; 97½ feet of 6-inch in Charles Street: 6 feet of 6-inch in Church Street; 709 feet of 6-inch in Clarendon Avenue; 241 feet of 6-inch in Clay Street; 68 feet of 6-inch in Clifton Street; 181 feet of 6-inch in Columbus

Avenue; 163½ feet of 4-inch in Cypress Street; 3 feet of 6-inch in Ellery Street; 20 feet of 4-inch in Ellsworth Park; 235 feet of 4-inch in Endicott Court; 77 feet of 6-inch in Eustis Street; 74 feet of 4-inch in Eustis Court; 33 feet of 6-inch and 367 feet of 4-inch (renewal) in Farwell Place; 100 feet of 1¼ inch at Fresh Pond; 145 feet of 6-inch in Gorham Street; 36 feet of 4-inch in Groveland Street; 288 feet of 6-inch in Harvey Street; 541 feet of 6-inch in High Street; 2 feet of 6-inch and 32 feet of 4-inch in Highland Avenue; 148 feet of 4-inch in Highland Park; 109½ feet of 4-inch in Langdon Street; 467½ feet of 6-inch in Larch Street; 117 feet of 2-inch in Lowland Avenue; 148½ feet of 6-inch in Madison Avenue; 93 feet of 6-inch in Marney Street; 24 feet of 12-inch, 155 feet of 6-inch, and 2 feet of 4-inch in Massachusetts Avenue; 1391 feet of 6-inch in McDonald Street; 88 feet of 2-inch in Munroe Court; 124 feet of 4-inch in Neill Court; 85 feet of 2-inch in Neligan Place; 36 feet of 4-inch in Oak Place; 115 feet of 2-inch in Olive Place; 252 feet of 6-inch in Orchard Street; 486 feet of 6-inch in Osborne Street; 177 feet of 6-inch in Orrin Street; 4 feet of 4-inch in Otis Street; 112 feet of 4-inch in Oxford Street; 142 feet of 2-inch in Pemberton Terrace; 404 feet of 6-inch in Porter Road; 6 feet of 6-inch in Portland Street; 442 feet of 6-inch in Raymond Street; 385 feet of 6-inch in Remington Street (renewal); 163 feet of 4-inch in Rogers Court; 584½ feet of 6-inch in Russell Street (578 feet renewal); 499½ feet of 6-inch in Seventh Street; 248 feet of 8-inch in Short Street (renewal); 180 feet of 4-inch in Stevens Court (renewal); 602 feet of 6-inch in Trowbridge Street (595 feet renewal); 221½ feet of 2-inch in Trowbridge Court; 104 feet of 1-inch in Vine Street; 85½ feet of 6-inch in Washburne Avenue; 189 feet of 6-inch in Winslow Street; 8950 feet of 24-inch, 1948 feet of 20-inch, and 722 feet of 12-inch (cast iron) pipe in Cambridge Street.

For the accommodation of the Sewer Department, on account of the new sewers, the main pipe on Mt. Auburn Street has been relocated.

The location of the main pipe in Massachusetts Avenue, above Waterhouse Street, has been changed so as not to interfere with the building of the storm sewer now being laid by the Metropolitan Construction Co.

As the Sewer Department, in order to connect with the Metropolitan sewer, used the location occupied by our water main in Willard Street, the pipe has been offset.

McDonald Street has been extended to Huron Avenue, and the width increased to one hundred feet. To conform to this improvement the location of the 6-inch pipe laid in 1890 has been changed and an additional pipe laid on the west side of the street. When the Street Department has completed the grading, the pipe will be extended on both sides of the street and connected so as to make a complete circuit.

Total length of cast iron pipes laid during the year 1895 (not including the renewal in Cambridge Street) is 12,932 feet, equal to 2.44 miles, the weight of the metal being 207.02 tons.

11,620 feet or 2.20 miles have been laid in Cambridge Street, the weight of the metal being 1225.21 tons.

The different sizes of pipe laid, their lengths and weights, are as follows : —

| Size. | Length in Feet. | Weight in Tons. |
|---|---|---|
| 12 inches | 1,141 | 44.31 |
| 8 " | 484 | 10.58 |
| 6 " | 8,997 | 132.54 |
| 4 " | 2,310 | 19.59 |
| Total . . . | 12,932 | 207.02 |
| CAMBRIDGE STREET. | | |
| 24 inches | 8,950 | 1,034.55 |
| 20 " | 1,948 | 162.62 |
| 12 " | 722 | 28.04 |
| Total . . . | 11,620 | 1,225.21 |

I recommend that there be laid in Chester Street, from North avenue east, a new line of 6-inch pipe to replace the 4-inch cement pipe laid in 1867; in Columbia Street, from Broadway to Cambridge Street, a new line of 12-inch to replace the 6-inch, laid in 1869; in Erie Street, from Magazine to Pearl Street, a new 6-inch line to replace the old 3-inch, laid in 1867; in Forest Street, from Massachusetts Avenue east, a new line of 6-inch pipe to replace the old 4-inch cement pipe, laid in 1867; in Garden Street, a new line of 6-inch pipe to connect Dublin Street; in Massachusetts Avenue, from Porter's Station to Rindge Avenue, a new line of 16-inch pipe to replace the old 8-inch cement pipe, laid in 1867, and from Rindge Avenue to Cedar Street, a new line of 12-inch pipe to replace the old 8-inch cement and 6-inch iron pipe, laid in 1867; in Mellen Street, from Massachusetts Avenue to Oxford Street, a new line of 6-inch pipe to replace the old 4-inch, laid in 1867 and 1872; in Prospect Street, from Cambridge Street north, a new line of 8-inch pipe to replace the old 10-inch pipe, laid in 1867; in Portland Street, from Harvard Street to Hampshire Street, a new line of 12-inch pipe, there being none in the street at present; in River Street, from Green Street to Blackstone Street, a new line of 8-inch pipe to replace the old 4-inch cement pipe, laid in 1867; in Sacramento Street, from Massachusetts Avenue to Oxford Street, a new line of 6-inch pipe to replace the old 6-inch cement pipe, laid in 1867; in Walden Street, from Huron Avenue to Dublin Street, a new line of 20-inch pipe to replace the 20-inch cement pipe, laid in 1873; in Walnut Court, connecting Somerset Street, a new line of 6-inch pipe to replace the old 3-inch pipe, laid from 1867 to 1873; in Windsor Street, from Cambridge Street to State Street, a new line of 12-inch pipe to replace the 3-inch and 4-inch, laid in 1867 and 1869.

### New Supplies.

Four hundred and ninety-nine new supplies have been laid; total number to date, twelve thousand six hundred and eighty-one.

Seventy-one supplies have been renewed; of these, six have been enlarged; seventeen have been furnished with sidewalk shut-offs; two have been extended.

Supplies in the following streets have been connected to the new mains: Farwell Place, Remington, Russell, Seventh, Short, Stevens Court and Trowbridge.

Supplies in Baldwin Street, Mt. Auburn Street, Scott Street and Third Street have been offset on account of new sewers, and in Harvard and Munroe Streets on account of new gas mains.

Two supplies laid for the Sewer Department in Binney and Sixth Streets have been removed.

Supplies connected to the 3-inch main in Harvard Row have been connected to the 20-inch main, the old 3-inch main having been abandoned.

In order to cover by meter a block owned by J. M. Robbins, on Prospect Street, a 2-inch supply has been laid and the meter set.

As the Water Board decided to meter boarding houses, it has been necessary to lay six supplies in order to separately connect the houses to be covered by the meters.

The Park Department having purchased land on Murray Street, the supplies on that site have been shut off and the service boxes removed.

**Recapitulation.**

| | 24 Inch. | 20 Inch. | 12 Inch. | 10 Inch. | 8 Inch. | 6 Inch. | 4 Inch. | 3 Inch. | 2 Inch. | 1½ Inch. | 1¼ Inch. | 1 Inch. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Length in feet of iron pipe, extensions | — | — | 1141 | — | 484 | 6658½ | 1763 | — | 768½ | 64 | 100 | 104 | 11,083 |
| Length in feet of iron pipe, renewals | — | — | — | — | — | 2338½ | 547 | — | — | — | — | — | 2,885½ |
| Number of gates | — | — | 2 | — | 4 | 27 | 14 | 1 | — | — | — | — | 48 |
| Number of hydrants | — | — | — | — | — | 12 | — | — | — | — | — | — | 12 |
| Length in feet of iron pipe, Cambridge St. | 8950 | 1960 | 1145 | 32 | 169 | 497 | — | — | — | — | — | — | 12,753 |
| Number of gates | 3 | 3 | 9 | — | 5 | 56 | — | — | — | — | — | — | 76 |
| Number of hydrants | — | — | — | — | — | 21 | — | — | — | — | — | — | 21 |

**New Supplies.**

| | 6 Inch. | 4 Inch. | 2 Inch. | 1½ Inch. | 1¼ Inch. | 1 Inch. | ¾ Inch. | Total. |
|---|---|---|---|---|---|---|---|---|
| Length in feet of pipe | 210½ | 874 | 1779½ | 593½ | 2127½ | 8071 | 8610 | 22,266 |
| Number of supplies | 7 | 4 | 17 | 17 | 49 | 148 | 257 | 499 |
| Number of stop and waste valves | — | — | 15 | 17 | 47 | 145 | 254 | 478 |
| Number of screw cocks | — | — | 17 | 17 | 49 | 148 | 250 | 481 |
| Number of sidewalk cocks | — | — | — | 1 | 48 | 145 | 248 | 442 |
| Number of service boxes | — | — | — | — | — | — | — | 427 |
| Number of boxes, frames and covers | — | — | — | — | — | — | — | 45 |
| Number of iron boxes | — | — | — | — | — | — | — | 9 |

Eleven thousand eighty-three (11,083) feet of various sizes of pipe have been laid for extensions; fifteen thousand, six hundred thirty-eight and one-half (15,638 1-2) feet for renewals; and twenty-two thousand, two hundred sixty-six (22,266) feet for supplies, making a total length of nine and twenty-seven one-hundredths (9.27) miles of trenching and back filling.

**Comparative Trenching for the Past Six Years.**

| | Extensions. | Removals. | Supplies. | Total Feet. | Miles. |
|---|---|---|---|---|---|
| 1890 | 11,713½ | 1,929 | 15,525 | 29,167½ | 5.52 |
| 1891 | 9,858½ | 2,958 | 17,864 | 30,680½ | 5.81 |
| 1892 | 16,784½ | 13,628 | 16,013 | 46,425½ | 8.79 |
| 1893 | 18,380½ | 11,008 | 14,233½ | 43,621½ | 8.26 |
| 1894 | 13,673 | 17,481½ | 17,211 | 48,365½ | 9.16 |
| 1895 | 11,083 | 15,638½ | 22,266 | 48,987½ | 9.27 |

**Drinking Fountains.**

With the exception of the removal of the fountain at Massachusetts Avenue and Walden Street, no changes have been made in the drinking fountains during the year.

The fountains in Cedar Street, Garden Street, Massachusetts Avenue, Winsor Street, Davis Square and Putnam Square have received necessary repairs.

There are twenty-two now in use.

### Street-Watering Standpipes.

One addition to the number of standpipes has been made during this year, *i. e.*, at the corner of Walden and Dublin Streets.

A new casting has been placed on the standpipe on Prison Point Street, the original one having been broken by a team.

A new stand pipe has been placed on Cambridge and Warren Streets to replace one broken last winter by a coal team.

The number in use is fifty-seven.

### Gates.

The annual inspection of gates has been made, and they have been found in good condition.

The locations have been marked.

Attending the laying of the new main in Cambridge Street, many gates have been removed on the connecting streets and new ones set, the sizes of most of these having been increased; an account of these will be found in the Cambridge Street account.

A 10-inch gate has been set in Binney Field for the use of the Park Department.

### Boxes.

Five hydrant, twenty-one iron and six wooden boxes—total, thirty-two—have been set in place of old ones removed.

The gate boxes in Brookline, Columbia, Magazine and Third Streets have been raised.

### Check Valves.

Three check-valves, *i. e.*, one ten-inch, one eight-inch, one four-inch, have been placed in Massachusetts Avenue in order to extend the high service to near Central Square, and increase the pressure for the occupants of the buildings in that vicinity.

The check valve in Ellery Street has been moved south 207 feet to supply the upper stories of an apartment house built this year.

A six-inch check valve has been set in Highland Avenue, and the high service extended thereby from Broadway to beyond the elevation in this avenue.

### Meters.

The number of meters now in use is 342.

### Hydrants.

Thirty-four hydrants have been set during the year. This number includes the Cambridge Street additions.

An old flush hydrant has been removed and a new Chapman post set in its location on Buckingham Street.

The hydrants on Wendell Street have been re-located to conform to the improvements made by the Street Department.

A post hydrant has been set at the corner of First and Munroe Streets to replace one broken by a team owned by the City of Boston.

A flush hydrant has been set on the Binney Field for the use of the Park Department while flooding the ground during the winter.

The hydrants now in Green and Waterhouse Streets have been repaired.

The hydrants in Albany Street have been raised.

The hydrant at the corner of McDonald and Mt. Auburn Streets has been located on Mt. Auburn Street near the corner of McDonald Street.

All of the hydrants have been inspected and painted.

A Holyoke hydrant has been set in Church Street, near the head of Palmer Street.

**Table Showing the Daily Average Number of Gallons by the Month Flowing Over the Waste Way at Stony Brook.**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| December, | 1894, | No overflow. | | | June, | 1895, | 673,333 gals. 7 days. |
| January, | 1895, | 7,677,419 gals. | 21 days. | | July, | " | 454,838 " 1 " |
| February, | " | 1,439,285 " | 24 " | | August, | " | 2,603,225 " 26 " |
| March, | " | 41,741,935 " | 30 " | | September, | " | 3,700,000 " 9 " |
| April, | " | 47,070,000 " | 30 " | | October, | " | 12,303,225 " 17 " |
| May, | " | 7,961,290 " | 29 " | | November, | " | 51,440,000 " 30 " |

Total quantity wasted . . . . . 5,281,900,000 gallons.

### Stony Brook Pipe Line.

This line has received the usual attention. All gates, air-valves and blow-offs have been examined and marked. Four leaks have occurred during the year.

### Hobbs Brook Reservoir.

The work, commenced in October, 1894, was continued during the winter and spring. On April 1st the men's pay was raised from $1.75 to $2.00 per day.

In April and May many of the men were sent to Cambridge to work at Fresh Pond and on Cambridge Street. The remainder of the men worked till June 11th, when they were sent to Cambridge.

Since this time the work at Hobbs Brook has been carried on by contractors.

### Conclusion.

Following will be found the Engineer's Report, together with a statement of details of the past year's work, and the stock used and now on hand.

All of which is respectfully submitted.

EDWIN C. BROOKS,

*Superintendent.*

# REPORT OF PUMPING ENGINEER.

PUMPING STATION, CAMBRIDGE WATER WORKS,
December, 1, 1895.

*To the Honorable Water Board of the City of Cambridge:—*

GENTLEMEN:—I report the condition of the machinery at the Pumping Station as follows:—

Engines Nos. 1, 3 and 4 are in good condition.

Engine No. 2 will need a thorough overhauling during the coming year.

The boilers are in good condition.

During the past year the high service engines have been moved from the centre of the basement to the east and west sides of the same to make room for the new Leavitt engine.

The pumping main for the high service has been connected up through the east check-valve chamber, and a new 15-inch drain for air pumps has been laid to the large sewer in Fresh Pond Drive.

The contracts for the alterations to the roof of the Pumping Station and for the foundations of the new engine are well under way, and will be completed at an early date.

The crane girders have not been delivered as yet, but there is no doubt of their being ready as soon as we shall want to have them put in place.

Following will be found a statement of expenses at the Pumping Station, and the usual table.

Respectfully submitted.

EDWIN C BROOKS,
*Engineer.*

## Statement.

| | |
|---|---|
| 1527 $\frac{2}{2}\frac{1}{2}\frac{7}{4}\frac{0}{0}$ tons Cumberland coal at $3.98 | $6,081 32 |
| Oil, waste, packing, etc. | 210 09 |
| Repairs on engines and boilers | 47 01 |
| Repairs on buildings and care of grounds | 48 53 |
| Tools and instruments | 40 50 |
| Lighting | 18 18 |
| Expressing | 11 80 |
| Ice | 26 25 |
| Salaries | 6,644 77 |
| | $13,128 45 |

## Engine Record, Pond Levels and Rainfall.

| Date. | Low Service Engines. | | | | | | High Service Engine. | | | Total Water Pumped. | Daily Average Water Pumped. | Total Coal Consumed. | Daily Average Coal Consumed. | Av. Height of Pond. | Rainfall. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Engine No. 1. | | | Engine No. 2. | | | | | | | | | | | |
| | Running Time. | | Water Pumped. | Running Time. | | Water Pumped. | Running Time. | | Water Pumped. | | | | | | |
| | Hrs. | Min. | Gallons. | Hrs. | Min. | Gallons. | Hrs. | Min. | Gallons. | Gallons. | Gallons. | Lbs. | Lbs. | Feet. | Inches. |
| December, 1894... | — | — | — | 409 | — | 154,017,050 | 744 | — | 15,032,250 | 169,049,300 | 5,453,203 | 279,550 | 9,018 | 13.12 | 4.43 |
| January, 1895... | 420 | 15 | 167,981,550 | — | — | — | 744 | — | 15,431,265 | 183,412,815 | 5,916,543 | 292,000 | 9,419 | 14.58 | 3.57 |
| February, " ... | 414 | — | 162,916,600 | 57 | 55 | 16,153,500 | 672 | — | 14,887,260 | 193,957,360 | 6,927,047 | 302,500 | 10,804 | 15.48 | 1.07 |
| March, " ... | — | — | — | 407 | 05 | 155,013,100 | 744 | — | 15,535,350 | 170,548,450 | 5,501,563 | 278,700 | 8,990 | 16.42 | 2.68 |
| April, " ... | 253 | — | 99,448,800 | 128 | — | 47,526,600 | 720 | — | 16,068,403 | 163,043,803 | 5,434,793 | 282,000 | 9,400 | 16.38 | 4.15 |
| May, " ... | 427 | 15 | 174,501,800 | — | — | — | 744 | — | 13,875,281 | 188,377,081 | 6,076,680 | 283,100 | 9,132 | 16.95 | 2.39 |
| June, " ... | — | — | — | 433 | 15 | 185,605,200 | 720 | — | 14,963,400 | 200,568,600 | 6,685,620 | 280,800 | 9,360 | 16.64 | 2.76 |
| July, " ... | 159 | 25 | 65,446,150 | 273 | 15 | 115,063,300 | 744 | — | 11,742,390 | 192,251,840 | 6,201,672 | 276,200 | 8,910 | 16.12 | 3.28 |
| August, " ... | 446 | 20 | 181,606,950 | — | — | — | 744 | — | 11,857,430 | 193,464,380 | 6,240,787 | 282,600 | 9,116 | 14.00 | 4.71 |
| September, " ... | 445 | 30 | 175,821,800 | — | — | — | 710 | 45 | 12,804,378 | 188,626,178 | 6,287,540 | 289,900 | 9,660 | 11.76 | 1.83 |
| October, " ... | 434 | — | 169,392,850 | — | — | — | 744 | — | 12,881,565 | 182,274,415 | 5,877,820 | 292,100 | 9,423 | 12.15 | 10.16 |
| November, " ... | — | — | — | 398 | 30 | 152,864,800 | 715 | 45 | 12,342,870 | 165,207,670 | 5,506,922 | 283,200 | 9,440 | 13.30 | 6.09 |
| Total..... ..... | 2,999 | 45 | 1,197,116,500 | 2,107 | — | 826,243,550 | 8,746 | 30 | 167,421,842 | 2,190,781,892 | — | 3,422,650 | — | — | 47.12 |
| Daily Average..... | 8 | 13 | 3,279,771 | 5 | 46 | 2,263,681 | 23 | 58 | 458,690 | 6,002,142 | — | 9,377 | — | 14.74 | — |

# REPORT OF THE SCHOOL COMMITTEE FOR 1895.

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In compliance with section 142 of the Regulations for the Public Schools, the Superintendent herewith submits his twenty-first annual report, it being for the year ending December 31, 1895.

### Population of Cambridge.

| | | | |
|---|---|---|---|
| 1850 | 15,215 | 1875 | 47,838 |
| 1855 | 20,473 | 1880 | 52,699 |
| 1860 | 26,060 | 1885 | 59,658 |
| 1865 | 29,112 | 1890 | 70,028 |
| 1870 | 39,634 | 1895 | 81,643 |

### School Census.

Number of children in the city on the first of May, five years old or more, but less than fifteen, as reported by the Truant Officers.

| | | | |
|---|---|---|---|
| 1878 | 8,422 | 1887 | 11,216 |
| 1879 | 8,885 | 1888 | 11,727 |
| 1880 | 9,390 | 1889 | 11,750 |
| 1881 | 9,582 | 1890 | 11,971 |
| 1882 | 10,370 | 1891 | 12,160 |
| 1883 | 10,490 | 1892 | 12,451 |
| 1884 | 10,682 | 1893 | 12,644 |
| 1885 | 10,957 | 1894 | 12,770 |
| 1886 | 11,131 | 1895 | 12,869 |

## Schools and Classrooms.

| | | | | |
|---|---|---|---|---|
| Latin School | 1 | Classrooms in use | | 10 |
| English High School | 1 | " | " " | 13 |
| Grammar Schools | 12 | " | " " | 133 |
| Primary Schools | 21 | " | " " | 116 |
| Kindergartens | 8 | " | " " | 11 |
| Evening Drawing Schools | 2 | " | " " | 8 |
| Evening High School | 1 | " | " " | 6 |
| Evening Elementary Schools | 4 | " | " " | 15 |
| Whole number of Day Schools | | | | 43 |
| Number of classrooms for Day Schools | | | | 283 |

## High School and Grammar School Houses.

| Schoolhouses. | Number of Classrooms. | Estimated Value. | Size of Lots, Square Feet. | Estimated Value. | Total Value. |
|---|---|---|---|---|---|
| Latin | 8* | $40,000 | 37,828 | $15,900 | $55,900 |
| English High | 11† | 220,000 | 74,366 | 18,000 | 238,000 |
| Allston | 12‡ | 30,000 | 15,193 | 4,600 | 34,600 |
| Corlett | 2 | 3,000 | 10,000 | 1,000 | 4,000 |
| Harvard | 16‡ | 45,000 | 20,494 | 12,000 | 57,000 |
| Morse | 14‡ | 73,000 | 25,650 | 7,000 | 80,000 |
| Peabody | 6 | 27,000 | 21,813 | 7,000 | 34,000 |
| Putnam | 13‡ | 60,000 | 11,900 | 8,300 | 68,300 |
| Shepard | 11 | 30,000 | 14,755 | 7,000 | 37,000 |
| Sleeper | 10 | 24,893 | 21,284 | 4,256 | 29,149 |
| Thorndike | 12 | 30,000 | 10,027 | 4,000 | 34,000 |
| Washington | 12‡ | 25,000 | 14,951 | 7,000 | 32,000 |
| Webster | 16‡ | 50,000 | 25,839 | 9,000 | 59,000 |
| Wellington | 13§ | 42,000 | 27,673 | 8,300 | 50,300 |
| Total | 156 | $699,893 | 331,773 | $113,356 | $813,249 |

* Also a library, a physieal laboratory, and an assembly hall.

† Also five reeitation rooms, a library, a physieal laboratory, a ehemieal laboratory, a lecture room, a drawing room, and an assembly hall.

‡ Also an assembly hall.

§ On the same lot there is another schoolhouse containing four rooms used for primary elasses.

## Primary School Houses.

| Schoolhouses. | Number of Classrooms. | Estimated Value. | Size of Lots, Square Feet. | Estimated Value. | Total Value. |
|---|---|---|---|---|---|
| Agassiz . . . . | 7 | $18,000 | 19,689 | $6,000 | $24,000 |
| Boardman . . . | 8 | 12,000 | 10,018 | 4,000 | 16,000 |
| Cushing . . . . | 2 | 3,000 | 14,787 | 1,000 | 4,000 |
| Dana . . . . . | 4 | 2,000 | 14,317 | 4,300 | 6,300 |
| Dunster . . . . | 4 | 4,000 | 10,000 | 2,000 | 6,000 |
| Felton . . . . . | 4 | 6,000 | 15,090 | 4,500 | 10,500 |
| Gannett . . . . | 5 | 12,000 | 15,434 | 3,000 | 15,000 |
| Gore . . . . . | 12 | 25,000 | 9,900 | 4,000 | 29,000 |
| Holmes . . . . | 4 | 6,000 | 11,182 | 4,500 | 10,500 |
| Lassell . . . . | 4 | 8,000 | 10,000 | 2,500 | 10,500 |
| Lowell . . . . | 4 | 7,000 | 12,033 | 2,500 | 9,500 |
| Otis . . . . . | 8 | 12,000 | 8,270 | 4,000 | 16,000 |
| Parker . . . . | 6 | 19,000 | 12,329 | 7,000 | 26,000 |
| Quincy . . . . | 2 | 10,000 | 8,469 | 5,000 | 15,000 |
| Reed . . . . . | 4 | 4,000 | 12,000 | 1,200 | 5,200 |
| Riverside . . . | 4 | 5,000 | 11,192 | 3,000 | 8,000 |
| Sargent . . . . | 4 | 3,000 | 9,995 | 4,000 | 7,000 |
| Stearns . . . . | 4 | 3,000 | 10,050 | 5,000 | 8,000 |
| Tarbell . . . . | 4 | 8,000 | 19,500 | 4,000 | 12,000 |
| Willard . . . . | 12 | 25,000 | 20,079 | 5,000 | 30,000 |
| Wyman . . . . | 6 | 6,000 | 14,347 | 3,000 | 9,000 |
| Primary, Total . | 112 | $198,000 | 268,681 | $79,500 | $277,500 |
| Grammar, " . | 137 | 439,893 | 219,579 | 79,456 | 519,349 |
| High Schools " . | 19 | 260,000 | 112,194 | 33,900 | 293,900 |
| Summary . . . | 268 | $897,893 | 600,454 | $192,856 | $1,090,749 |

## Number of teachers in the Day Schools.

[Special teachers are included in the total.]

| December. | Latin School. | English High School. | Grammar Schools. | Primary Schools. | Kinder-gartens. | Total. | Normal Graduates. |
|---|---|---|---|---|---|---|---|
| 1890 | 10 | 15 | 121 | 101 | 11 | 263 | 146 |
| 1891 | 10 | 16 | 126 | 104 | 11 | 272 | 161 |
| 1892 | 10 | 19 | 131 | 106 | 12 | 284 | 166 |
| 1893 | 11 | 19 | 138 | 108 | 13 | 297 | 171 |
| 1894 | 12 | 21 | 142 | 114 | 15 | 312 | 191 |
| 1895 | 14 | 21 | 146 | 116 | 16 | 322 | 198 |

## Attendance at all the Day Schools.

| Year. | Number of Pupils Registered. | Average Number Belonging. | Average Daily Attendance. | Per cent of Attendance. |
|---|---|---|---|---|
| 1890 | 11,914 | 10,089 | 9,325 | 92.4 |
| 1891 | 12,468 | 10,520 | 9,659 | 91.8 |
| 1892 | 12,845 | 10,861 | 9,959 | 91.7 |
| 1893 | 13,107 | 11,045 | 10,074 | 91.2 |
| 1894 | 13,254 | 11,166 | 10,322 | 92.4 |
| 1895 | 13,571 | 11,505 | 10,611 | 92.2 |

## Attendance at the Latin School.

| Year. | Number of Pupils Registered. | Average Number Belonging. | Average Daily Attendance. | Per cent of Attendance. |
|---|---|---|---|---|
| 1890 | 224 | 204 | 199 | 96.4 |
| 1891 | 231 | 213 | 204 | 95.7 |
| 1892 | 238 | 213 | 203 | 95.4 |
| 1893 | 269 | 251 | 236 | 94.1 |
| 1894 | 319 | 303 | 286 | 94.3 |
| 1895 | 380 | 354 | 334 | 94.3 |

## Attendance at the English High School.

| Year. | Number of Pupils Registered. | Average Number Belonging. | Average Daily Attendance. | Per cent of Attendance. |
|---|---|---|---|---|
| 1890 | 473 | 409 | 396 | 96.7 |
| 1891 | 552 | 480 | 464 | 96.6 |
| 1892 | 624 | 529 | 511 | 96.5 |
| 1893 | 681 | 569 | 549 | 96.5 |
| 1894 | 691 | 611 | 594 | 97.1 |
| 1895 | 743 | 648 | 626 | 96.7 |

## Attendance at the Grammar Schools.

| Year. | Number of Pupils Registered. | Average Number Belonging. | Average Daily Attendance. | Per cent of Attendance. |
|---|---|---|---|---|
| 1890 | 5,668 | 4,891 | 4,557 | 93.2 |
| 1891 | 5,793 | 5,052 | 4,701 | 93.1 |
| 1892 | 5,891 | 5,175 | 4,803 | 92.8 |
| 1893 | 5,981 | 5,206 | 4,838 | 92.9 |
| 1894 | 5,934 | 5,200 | 4,876 | 93.8 |
| 1895 | 5,926 | 5,204 | 4,888 | 93.9 |

## Attendance at the Primary Schools.

| Year. | Number of Pupils Registered. | Average Number Belonging. | Average Daily Attendance. | Per cent of Attendance. |
|---|---|---|---|---|
| 1890 | 5,321 | 4,403 | 4,011 | 91.1 |
| 1891 | 5,499 | 4,481 | 4,065 | 90.7 |
| 1892 | 5,697 | 4,650 | 4,203 | 90.4 |
| 1893 | 5,757 | 4,666 | 4,215 | 90.3 |
| 1894 | 5,815 | 4,741 | 4,317 | 91.1 |
| 1895 | 5,928 | 4,925 | 4,499 | 91.3 |

## Attendance at the Kindergartens.

| Year. | Number of Pupils Registered. | Average Number Belonging. | Average Daily Attendance. | Per cent of Attendance. |
|---|---|---|---|---|
| 1892 | 395 | 294 | 239 | 81.2 |
| 1893 | 419 | 353 | 236 | 66.9 |
| 1894 | 495 | 311 | 249 | 80.3 |
| 1895 | 594 | 374 | 264 | 70.6 |

## Number of pupils admitted to the lowest grade of the Latin School.

Course, 5 years.

| Year. | Boys. | Average Age. | Girls. | Average Age. |
|---|---|---|---|---|
| 1889 | 37 | 14 years 10 months | 34 | 14 years 7 months |
| 1890 | 39 | 14 years 6 months | 22 | 14 years 9 months |
| 1891 | 32 | 14 years 5 months | 35 | 14 years 3 months |
| 1892 | 52 | 14 years 7 months | 32 | 14 years 7 months |
| 1893 | 63 | 14 years 6 months | 41 | 14 years 1 month |
| 1894 | 51 | 14 years 8 months | 44 | 14 years 4 months |
| 1895 | 54 | 14 years 6 months | 48 | 14 years 5 months |

## Number of pupils graduated from the Latin School.

Course, 5 years.

| Year. | Boys. | Average Age. | Girls. | Average Age. |
|---|---|---|---|---|
| 1889 | 16 | 18 years 11 months | 11 | 19 years 3 months |
| 1890 | 10 | 18 years 8 months | 7 | 19 years 2 months |
| 1891 | 22 | 18 years 4 months | 14 | 18 years 4 months |
| 1892 | 8 | 17 years 8 months | 14 | 18 years 7 months |
| 1893 | 16 | 19 years 3 months | 7 | 19 years 5 months |
| 1894 | 15 | 18 years 11 months | 12 | 19 years 6 months |
| 1895 | 16 | 18 years 9 months | 9 | 18 years 11 months |

## Number of pupils admitted to the lowest grade of the English High School and the Manual Training School.

[The Manual Training School is connected with the English High School.]

| Year. | English High. Course, 4 yrs. | Average Age. | Manual Training. Course, 3 yrs. | Average Age. |
|---|---|---|---|---|
| 1889 | 204 | 15 years 3 months | 49 | 15 years 3 months |
| 1890 | 171 | 15 years 1 month | 59 | 15 years 3 months |
| 1891 | 196 | 15 years 1 month | 56 | 15 years 5 months |
| 1892 | 230 | 15 years 3 months | 85 | 15 years 3 months |
| 1893 | 210 | 15 years 3 months | 73 | 15 years 1 month |
| 1894 | 239 | 15 years 1 month | 72 | 15 years 2 months |
| 1895 | 195 | 14 years 11 months | 63 | 15 years 2 months |

## Number of pupils graduated from the English High School and the Manual Training School.

[The Manual Training School is connected with the English High School.]

| Year. | English High. Course, 4 yrs. | Average Age. | Manual Training. Course, 3 yrs. | Average Age. |
|---|---|---|---|---|
| 1889 | 52 | 18 years 6 months | Course changed to 4 years in 1893. | In 1893, 6 of the 32 in 4 years' course. In 1894, 4 of the 26 in 4 years' course. In 1895, 1 of the 35 in 4 years' course. |
| 1890 | 37 | 18 years 7 months | | |
| 1891 | 35 | 18 years 4 months | 13 | 17 years 4 months |
| 1892 | 52 | 18 years 9 months | 25 | 18 years ¼ month |
| 1893 | 63 | 18 years 10 months | 32 | 18 years ¾ month |
| 1894 | 65 | 18 years 7 months | 26 | 17 years 10 months |
| 1895 | 54 | 18 years 6 months | 35 | 17 years 8 months |

## Number of pupils admitted to the lowest class in the Latin School and the English High School since 1887, with the number of graduates.

| Admitted to Latin School. | Graduated from Latin School. | Admitted to English High. | Graduated from English High. | Admitted to Manual Training Course. | Graduated from Manual Training Course. |
|---|---|---|---|---|---|
| 730 | 211 | 1,724 | 449 | 504 | 131 |

## Number of pupils graduated from the Grammar and Primary Schools.

| Year. | Grammar Schools. Course, 6 yrs. | Average Age. | Primary Schools. Course, 3 yrs. | Average Age. |
|---|---|---|---|---|
| 1892 | 536 | 15 years $\frac{4}{5}$ months | 1,146 | 9 years 10 months |
| 1893 | 487 | 14 years 11 months | 1,147 | 9 years 9 months |
| 1894 | 563 | 14 years 11$\frac{1}{2}$ months | 1,159 | 9 years 8$\frac{1}{2}$ months |
| 1895 | 491 | 14 years 9$\frac{1}{2}$ months | 1,209 | 9 years 10$\frac{1}{2}$ months |

## Length of time in completing the Course of Study in the Grammar Schools.

| Year. | In 4 years. | In 5 years. | In 6 years. | In 7 years or more. |
|---|---|---|---|---|
| 1892 | 10 per cent. | 27 per cent. | 45 per cent. | 18 per cent. |
| 1893 | 9 per cent. | 29 per cent. | 47 per cent. | 15 per cent. |
| 1894 | 10 per cent. | 32 per cent. | 42 per cent. | 16 per cent. |
| 1895 | 9 per cent. | 30 per cent. | 46 per cent. | 15 per cent. |

## Length of time in completing the Course of Study in the Primary Schools.

| Year. | In 2 years. | In 2$\frac{1}{2}$ years. | In 3 years. | In 3$\frac{1}{2}$ years. | In 4 years. | In 4$\frac{1}{2}$ years or more. |
|---|---|---|---|---|---|---|
| 1893 | 6 per cent. | 3 per cent. | 56 per cent. | 3 per cent. | 20 per cent. | 12 per cent. |
| 1894 | 8 per cent. | 2 per cent. | 58 per cent. | 2 per cent. | 21 per cent. | 9 per cent. |
| 1895 | 5 per cent. | 1 per cent. | 56 per cent. | 5 per cent. | 23 per cent. | 10 per cent. |

## Table showing how many of a class complete the Course of Study.

| Schools. | Number that Entered. | Number that Graduated. | Number that Entered. | Number that Graduated. |
|---|---|---|---|---|
| Latin School . . | In 1889, 71 | In 1894, 27 | In 1890 61 | In 1895, 25 |
| English High . . | In 1890, 230 | In 1894, 91 | In 1891, 252 | In 1895, 89 |
| Grammar Schools | In 1888, 1,222 | In 1894, 563 | In 1889, 1,168 | In 1895, 491 |
| Primary Schools . | In 1891, 1,418 | In 1894, 1,159 | In 1892, 1,572 | In 1895, 1,209 |

## Number of pupils in all the Day Schools at different periods of the year.

| Year. | First Day of the First Week. | First Day of the Second Week. | First Week of October. | First Week of the next June. |
|---|---|---|---|---|
| 1890 | 9,687 | 10,360 | 10,678 | 10,863 |
| 1891 | 9,580 | 10,461 | 11,180 | 11,204 |
| 1892 | 10,184 | 10,974 | 11,360 | 11,342 |
| 1893 | 10,692 | 11,354 | 11,628 | 11,532 |
| 1894 | 10,889 | 11,562 | 11,847 | 11,723 |
| 1895 | 11,178 | 11,894 | 12,146 | |

## Number of pupils in the Latin School, December, 1895.

| Grade. | Boys. | Girls. | Total. | Per cent. |
|---|---|---|---|---|
| Fourteenth . . . . . | 19 | 25 | 44 | .113 |
| Thirteenth . . . . . | 38 | 31 | 69 | .178 |
| Twelfth . . . . . | 37 | 44 | 81 | .209 |
| Eleventh . . . . . | 48 | 45 | 93 | .240 |
| Tenth . . . . . | 51 | 50 | 101 | .260 |
| Total . . . . . | 193 | 195 | 388 | |

## Number of pupils in the English High School and in the Manual Training School, December, 1895.

| Grade. | Boys. | Girls. | Total. | Per cent. |
|---|---|---|---|---|
| Thirteenth . . . . . | 34 (17)* | 58 | 92 | .137 |
| Twelfth . . . . . | 62 (39)* | 70 | 132 | .196 |
| Eleventh . . . . . | 85 (43)* | 110 | 195 | .289 |
| Tenth . . . . . | 134 (73)* | 121 | 255 | .378 |
| Total . . . . . | 315 (172)* | 359 | 674 | |

*Manual Training School.

## Number of pupils in the Grammar Schools, December, 1895.

| Grade. | Boys. | Girls. | Total. | Per cent. |
|---|---|---|---|---|
| Ninth | 200 | 233 | 433 | .077 |
| D | 60 | 42 | 102 | .018 |
| Eighth | 332 | 322 | 654 | .117 |
| C | 34 | 32 | 66 | .012 |
| Seventh | 394 | 433 | 827 | .147 |
| Sixth | 435 | 458 | 893 | .159 |
| B | 112 | 99 | 211 | .038 |
| Fifth | 531 | 492 | 1,023 | .182 |
| A | 109 | 135 | 244 | .044 |
| Fourth | 609 | 546 | 1,155 | .206 |
| Total | 2,816 | 2,792 | 5,608 | |

## Number of pupils in the Primary Schools, December, 1895.

| Grade. | Boys. | Girls. | Total. | Per cent. |
|---|---|---|---|---|
| Third | 671 | 714 | 1,385 | .272 |
| Second | 827 | 719 | 1,546 | .304 |
| First | 1,083 | 1,073 | 2,156 | .424 |
| Total | 2,581 | 2,506 | 5,087 | |

## Number of pupils and teachers in the Kindergartens, 1893, 1894, 1895.

| Year. | Boys. | Girls. | Total. | Number of Teachers. |
|---|---|---|---|---|
| 1893 | 148 | 178 | 326 | 13 |
| 1894 | 180 | 207 | 387 | 15 |
| 1895 | 192 | 225 | 417 | 16 |

**Number of pupils belonging to the Evening Drawing Schools, with the average attendance.**

| 1890. | 1891. | 1892. | 1893. | 1894. | 1895. |
|---|---|---|---|---|---|
| 166 | 188 | 219 | 242 | 217 | 212 |
| 106 | 110 | 127 | 142 | 103 | 117 |

**Number of pupils belonging to the Evening Schools, with the average attendance.**

| 1890. | 1891. | 1892. | 1893. | 1894. | 1895. |
|---|---|---|---|---|---|
| 739 | 1,020 | 1,013 | 1,085 | 1,379 | 1,246 |
| 298 | 362 | 329 | 419 | 542 | 478 |

**Number of pupils in the Private Schools in Cambridge, including those in the Parochial Schools.**

| 1890. | 1891. | 1892. | 1893. | 1894. | 1895. |
|---|---|---|---|---|---|
| 2,050 | 2,127 | 2,235 | 2,376 | 2,492 | 2,557 |

**Cost of instruction in the Evening Schools.**

| Year. | Elementary. | High. | Drawing. | Total. |
|---|---|---|---|---|
| 1890 | $1,513 00 | $1,260 00 | $546 00 | $3,319 00 |
| 1891 | 1,851 50 | 1,191 25 | 867 00 | 3,909 75 |
| 1892 | 1,827 50 | 1,226 25 | 1,157 00 | 4,210 75 |
| 1893 | 2,124 50 | 1,363 00 | 1,531 00 | 5,018 50 |
| 1894 | 2,293 00 | 1,396 00 | 1,175 00 | 4,864 00 |
| 1895 | 2,427 00 | 1,422 50 | 1,255 00 | 5,104 50 |

## Cost of instruction in the Day Schools.

[Salaries of teachers, superintendent, agent, and truant officers.]

| Year. | Number of Teachers. December 1. | Average Number of Pupils. | Whole Cost. | Cost per Pupil. |
|---|---|---|---|---|
| 1876 | 176 | 7,066 | $164,818 00 | $23 32 |
| 1878 | 173 | 7,028 | 136,491 20 | 19 42 |
| 1880 | 182 | 7,175 | 130,371 75 | 18 17 |
| 1882 | 200 | 7,898 | 137,328 55 | 17 38 |
| 1884 | 216 | 8,414 | 152,290 62 | 18 09 |
| 1886 | 233 | 9,218 | 165,277 42 | 17 92 |
| 1887 | 237 | 9,429 | 172,135 06 | 18 25 |
| 1888 | 241 | 9,756 | 175,773 80 | 18 02 |
| 1889 | 251 | 9,962 | 180,816 26 | 18 15 |
| 1890 | 263 | 10,089 | 190,558 21 | 18 89 |
| 1891 | 272 | 10,520 | 196,938 70 | 18 72 |
| 1892 | 284 | 10,861 | 207,144 22 | 19 07 |
| 1893 | 297 | 11,045 | 215,593 12 | 19 52 |
| 1894 | 312 | 11,166 | 228,873 48 | 20 50 |
| 1895 | 322 | 11,505 | 235,811 62 | 20 50 |

## Cost of the Day Schools.

[The expenditures for new schoolhouses are not included.]

| Year. | Number of Teachers December 1. | Average Number of Pupils. | Whole Cost. | Cost per Pupil. |
|---|---|---|---|---|
| 1876 | 176 | 7,066 | $200,894 09 | $28 43 |
| 1878 | 173 | 7,028 | 162,437 77 | 23 11 |
| 1880 | 182 | 7,175 | 153,967 56 | 21 45 |
| 1882 | 200 | 7,898 | 166,230 52 | 21 04 |
| 1884 | 216 | 8,414 | 203,234 56 | 24 15 |
| 1886 | 233 | 9,218 | 207,536 46 | 22 51 |
| 1887 | 237 | 9,429 | 222,679 19 | 23 61 |
| 1888 | 241 | 9,756 | 225,408 57 | 23 10 |
| 1889 | 251 | 9,962 | 229,421 31 | 23 03 |
| 1890 | 263 | 10,089 | 241,980 84 | 23 98 |
| 1891 | 272 | 10,520 | 249,491 67 | 23 71 |
| 1892 | 284 | 10,861 | 266,651 02 | 24 55 |
| 1893 | 297 | 11,045 | 274,053 82 | 24 81 |
| 1894 | 312 | 11,166 | 287,137 37 | 25 72 |
| 1895 | 322 | 11,505 | 299,085 93 | 26 00 |

## Summary of the School Census as taken by the Truant Officers, May, 1895.

[The statutes make it the duty of the School Committee to ascertain annually the names and ages of all persons between the ages of five and fifteen years, belonging in their respective towns and cities on the first day of May.]

| | |
|---|---|
| Number of children in the city five years old or more, but less than fifteen | 12,869 |
| Number in public schools five years old or more, but less than fifteen | 10,370 |
| Number in public schools fifteen years old or more, as shown by the school register | 1,318 |
| Number in private schools five years old or more, but less than fifteen | 1,688 |
| Number not attending school five years old or more, but less than eight | 593 |
| Number not attending school eight years old or more, but less than fourteen | 78 |
| Number not attending school fourteen years old or more, but less than fifteen | 140 |
| Whole number not attending school five years old or more, but less than fiftecn | 811 |
| Number in the city five years old or more, but less than six | 1,266 |
| Number in the city eight years old or more, but less than fourteen | 7,776 |

## Finances.

[For the financial year ending December 1, 1895.]

| | |
|---|---|
| Cost of instruction in day schools | $235,811 62 |
| Cost of instruction in evening schools | 5,104 50 |
| Cost of care and repairs of schoolhouses, day schools | 45,424 35 |
| Cost of care and repairs of schoolhouses, evening schools | 2,400 00 |
| Cost of text-books and supplies | 14,315 02 |
| Expended for incidental expenses | 972 42 |
| Expended for transportation of pupils | 667 00 |
| Expended for care of truants | 1,895 52 |
| Expended for English High school | 1,274 08 |
| Expended for land for schoolhouse in Ward 1 | 4,039 11 |
| Expended for finishing and furnishing Sleeper schoolhouse | 20,846 84 |
| Expended for Taylor schoolhouse | 21,007 51 |
| Expended for improvements in sanitary arrangements | 8,595 82 |
| Total expenditures for all school purposes | $362,353 79 |
| Deducting from the above the amount received from the Hopkins Fund, $713 67, and for the tuition of non-resident pupils, $1,358.50, the actual cost of the schools to the city is | $360,281 62 |
| Assessed value of real and personal estates, May, 1895 | $80,911,060 00 |
| Ratio of expenditures for school purposes to the valuation in 1895 | .0045 |

## Statistics taken from the fifty-eighth annual report of the Secretary of the State Board of Education.

| | |
|---|---|
| Number of cities and towns: cities, 31; towns, 322; | 353 |
| Number of public schools | 8,884 |
| Number of pupils of all ages in the public schools during the year | 412,953 |
| Number of persons over fifteen years of age attending the public schools | 39,437 |
| Per cent of attendance based upon the average membership | 92 |
| Number of persons employed as teachers in the public schools during the year: men, 1046; women, 10,981; | 12,027 |
| Number of teachers who have graduated from normal schools | 3,734 |
| Average number of months the public schools have been kept for the entire year | $9\frac{6}{10}$ |
| Number of high schools | 252 |
| Number of teachers in high schools | 1,094 |
| Number of pupils in high schools | 32,752 |
| Amount expended upon the public schools, exclusive of the expense of school buildings | $8,160,452 37 |
| Cost of new schoolhouses, permanent improvements, and ordinary repairs | 2,500,903 85 |
| Entire expenditure for public school purposes | $10,661,356 22 |

## Special Institutions.

The following are the statistics of the attendance and expenses of the Massachusetts pupils in the several schools for the deaf, the blind, and the feeble-minded.

AMERICAN ASYLUM AT HARTFORD, CONN.

| | |
|---|---|
| Number of Massachusetts beneficiaries, 1894–95 | 65 |
| Paid for these pupils | $10,003 04 |

CLARK INSTITUTION, NORTHAMPTON.

| | |
|---|---|
| Number of Massachusetts beneficiaries, 1894–95 | 116 |
| Paid for these pupils | $22,392 64 |

HORACE MANN SCHOOL, BOSTON.

| | |
|---|---|
| Number of Massachusetts beneficiaries, 1894–95 | 106 |
| Paid for these pupils | $12,620 76 |

PERKINS INSTITUTION FOR THE BLIND.

| | |
|---|---|
| Number of Massachusetts beneficiaries, 1894–95 | 134 |
| Annual appropriation from the State | $30,000 00 |

SCHOOL FOR THE FEEBLE-MINDED, WALTHAM.

| | |
|---|---|
| Number of Massachusetts beneficiaries, 1894–95 | 166 |
| Annual appropriation from the State | $25,000 00 |

# TABULAR VIEW.

DECEMBER 1, 1895.

Prepared by the Secretary of the School Committee.

| Names of Schools. | Teachers. | Salaries. | No. of Pupils Dec. 1, 1895. |
|---|---|---|---|
| **Latin** | William F. Bradbury | $3,000 | 388 |
| | Theodore P. Adams | 2,000 | |
| | Herbert J. Chase | 1,500 | |
| | Helen M. Albee | 950 | |
| | Constance Alexander | 650 | |
| | Alice Cary Baldwin | 700 | |
| | Grace M. Coleman | 700 | |
| | Caroline Drew | 950 | |
| | Mary C. Hardy | 950 | |
| | Rose Hardwick | 700 | |
| | Margarette M. Leighton | 1,050 | |
| | Emma M. Sawyer | 950 | |
| | Jennie S. Spring | 950 | |
| | Anna M. Warren | 800 | |
| | Annie S. Dodge * | 400 | |
| **English High** | Ray Greene Huling | 3,000 | 674 |
| | Edwin L Sargent | 2,000 | |
| | Charles F. Warner | 2,000 | |
| | Joseph A. Coolidge | 1,200 | |
| | Clara A Armes | 950 | |
| | Harriet E. Bird | 1,050 | |
| | Mabel L. Chamberlain | 750 | |
| | Caroline Close | 950 | |
| | Bertha L. Cogswell | 800 | |
| | Grace L. Deering | 950 | |
| | Myra I. Ellis | 1,000 | |
| | Maud A. Lawson | 900 | |
| | Henrietta E. McIntire | 800 | |
| | Mary Moulton | 950 | |
| | Louisa P. Parker | 1,000 | |
| | Lillian C. Rogers | 850 | |
| | Caroline A. Sawyer | 950 | |
| | Emma A. Scudder | 950 | |
| | Martha R. Smith | 950 | |
| | Maria E. Spare | 950 | |
| | Delia M. Stickney | 1,050 | |
| | Martha L. Babbitt * | 500 | |
| **Agassiz** Grammar | Maria L. Baldwin | 800 | 126 |
| **Agassiz** Primary | Sarah E. Barrett | 620 | 221 |
| | Mary G. Carpenter | 620 | |
| | Jennie Lyle | 620 | |
| | Mary P. Masse | 570 | |
| | Minnie A. Noyes | 620 | |
| | Mary A. Parsons | 620 | |
| | Jennie L. Upham | 520 | |

* Secretary and Librarian.

**Tabular View** — *Continued*

| Names of Schools. | Teachers. | Salaries. | No. of Pupils Dec. 1, 1895. |
|---|---|---|---|
| Allston | Benjamin W. Roberts | $2,000 | 571 |
| | Sara A. Bailey | 700 | |
| | Emily R. Pitkin | 650 | |
| | Susan M. Adams | 620 | |
| | Mary Blair | 620 | |
| | Mary M. Brigham | 620 | |
| | S. Alice Fell | 620 | |
| | Susan L. Keniston | 620 | |
| | Evelyn B. Kenny | 620 | |
| | Ada M. Litchfield | 620 | |
| | Nina M. Marsh | 620 | |
| | S. Agnes Mulloney | 620 | |
| | Ida G. Smith | 620 | |
| | Caroline M. Williams | 620 | |
| Corlett | Fannie P. Browning | 630 | 73 |
| | Alice V. Currier | 470 | |
| Harvard | James S. Barrell | 2,000 | 742 |
| | Arthur A. Lincoln | 1,200 | |
| | Ada H. Wellington | 700 | |
| | Margaret B. Wellington | 700 | |
| | Anna M. Brown | 650 | |
| | Addie L. Bartlett | 620 | |
| | Marcia R. Bowman | 470 | |
| | Elizabeth L. Buckley | 620 | |
| | Mary F. Emerson | 620 | |
| | Frances Fabyan | 620 | |
| | Alice V. Flather | 620 | |
| | Estella J. French | 620 | |
| | Eliza S. Getchell | 620 | |
| | Adeline M. Murphy | 620 | |
| | Louise C. Patterson | 620 | |
| | Annie M. Street | 620 | |
| | Emma F. West | 620 | |
| | Hortense O Young | 620 | |
| Morse { Grammar / Primary | Mary A. Townsend | 2,000 | { 414 / 186 |
| | Mary E. Towle | 700 | |
| | Marcia E. Ridlon | 650 | |
| | Elizabeth J. Baldwin | 620 | |
| | Stella L. Cotton | 570 | |
| | Marie B. Daniel | 620 | |
| | Annie M. Dow | 620 | |
| | Leila F. Drake | 620 | |
| | Ida J. Holmes | 620 | |
| | Mary E. Leavitt | 620 | |
| | Alice E. May | 620 | |
| | Emilie Richardson | 620 | |
| | Mary E. Sawyer | 620 | |
| | Lucy M. Soulée | 620 | |
| | Gertrude D. Sprague | 620 | |
| Peabody | Frederick S. Cutter | 2,000 | 295 |
| | Addie F. Cleary | 700 | |
| | Susan Allison | 620 | |
| | Anna F. Bellows | 620 | |

**Tabular View** — *Continued.*

| Names of Schools. | Teachers. | Salaries. | No. of Pupils Dec. 1, 1895. |
|---|---|---|---|
| Peabody | Mabel A. Clark | $570 | |
| | Charlotte A. Ewell | 620 | |
| | Florence E. Frost | 620 | |
| Putnam | Thomas W. Davis | 2,000 | 688 |
| | Frederick B. Thompson | 1,200 | |
| | Eliza M. Hussey | 700 | |
| | Henriette E. de Rochemont | 650 | |
| | Ella R. Avery | 620 | |
| | Annetta Bruce | 620 | |
| | Lillian M. Canty | 570 | |
| | Mary A Carmichael | 620 | |
| | Anna L. P. Collins | 620 | |
| | Sarah M. Grieves | 620 | |
| | Hattie L. Jewell | 520 | |
| | Annie B. Josselyn | 620 | |
| | Louise A. Keeler | 620 | |
| | A. Maud McLean | 400 | |
| | Mabel S. Murray | 570 | |
| | Eliza S. Paddack | 620 | |
| | Louise A Stickney | 620 | |
| | Annie A. Trelegan | 620 | |
| Shepard | Edward O. Grover | 2,000 | 449 |
| | Nellie A. Hutchins | 700 | |
| | Ella M. Horne | 650 | |
| | Caroline L. Blake | 620 | |
| | Emma A. Faulkner | 620 | |
| | Emily F. Fessenden | 620 | |
| | Harriet Foster | 620 | |
| | Louise H. Griswold | 620 | |
| | Ellen J. Hunt | 620 | |
| | Flora C. Ingraham | 620 | |
| | Evelyn J. Locke | 620 | |
| | Mary Agnes Stanton | 570 | |
| Sleeper { Grammar / Primary | A. Estelle Ingraham | 700 | { 189 / 131 |
| | Emily Bissell | 400 | |
| | Mabel E. Blake | 620 | |
| | Fannie G. Flanders | 520 | |
| | Edith A. Holcomb | 620 | |
| | Melissa M. Lloyd | 620 | |
| | Blanche C. Trefethen | 400 | |
| Thorndike | Ruel H. Fletcher | 2,000 | 488 |
| | Harriet A. Townsend | 700 | |
| | Laura A. Westcott | 650 | |
| | Grace W. Fletcher | 620 | |
| | Lottie L. Griswold | 620 | |
| | Emma A. Hopkins | 620 | |
| | Elizabeth G. Hutchison | 620 | |
| | Mary E. Ingraham | 470 | |
| | Grace L. Morton | 470 | |
| | Mary E. Nason | 620 | |
| | S. Louise Regal | 620 | |
| | Abby S. Taylor | 620 | |
| | Lydia A. Whitcher | 620 | |

**Tabular View** — *Continued.*

| Names of Schools. | Teachers. | Salaries. | No. of Pupils Dec. 1, 1895. |
|---|---|---|---|
| Washington | John W. Freese | $2,000 | 453 |
| | M. Florence McGlashan | 700 | |
| | Alice P. Fay | 650 | |
| | Eldora J. Clark | 620 | |
| | Lucy A. Downing | 620 | |
| | Mary L. Ells | 620 | |
| | Thalia Goddard | 520 | |
| | Ellen A. Kidder | 620 | |
| | Winifred L. Kinsley | 620 | |
| | Emma Penney | 520 | |
| | Margaret J. Penney | 620 | |
| | Hattie Shepherd | 620 | |
| | Mary E. Stiles | 620 | |
| | Abby M. Webb | 620 | |
| Webster | John D. Billings | 2,000 | 685 |
| | Melzar H. Jackson | 1,200 | |
| | Alice C. Phinney | 700 | |
| | Martha N. Hanson | 700 | |
| | Ada A. Billings | 650 | |
| | Flora E. Billings | 570 | |
| | Ella E. Buttrick | 620 | |
| | Charlotte M. Chase | 620 | |
| | Susan I. Downs | 620 | |
| | Josephine Hills | 620 | |
| | Edith M. Keith | 620 | |
| | Katherine E. Lahey | 570 | |
| | M. Josephine Lamprey | 620 | |
| | Anna S. Lamson | 620 | |
| | Minnie V. Reid | 620 | |
| | Harriette E. Shepard | 620 | |
| | Ellen F. Watson | 620 | |
| Boardman | Florence H. Barrett | 690 | 341 |
| | Nellie A. Barden | 620 | |
| | Christine R. Denyven | 620 | |
| | Myra Hatt | 400 | |
| | Elizabeth J. Karcher | 620 | |
| | Grace Morgan | 470 | |
| | C. Florence Smith | 620 | |
| | Sarah E. Stewart | 620 | |
| Cushing | Isadore I. Foster | 630 | 75 |
| | Lucy E. Cyr | 620 | |
| Dana | Georgia E. Martin | 640 | 154 |
| | Jane Macmaster | 470 | |
| | Matilda Macmaster | 520 | |
| | Marion B. Magwire | 520 | |
| Dunster | Susan E. Wyeth | 645 | 169 |
| | Mary E. Colby | 620 | |
| | Mary A. Doran | 520 | |
| | Agnes M. Sheridan | 470 | |
| Felton | Florence A. Rogers | 640 | 172 |
| | S. Emma Davis | 620 | |
| | Helen E. Hazard | 520 | |
| | Carrie H. Smith | 620 | |
| Gannett | Sarah J. A. Davis | 640 | 189 |

**Tabular View** — *Continued.*

| Names of Schools. | Teachers. | Salaries. | No. of Pupils Dec. 1, 1895. |
|---|---|---|---|
| Gannett | Annie M. Billings | $620 | |
| | Anna M. Jones | 620 | |
| | Mary A. Rady | 620 | |
| Gore | Frances E. Pendexter | 685 | 537 |
| | Anna E. Callahan | 620 | |
| | Addie H. Dale | 620 | |
| | Maude A. Deehan | 620 | |
| | Minnie Doran | 400 | |
| | Elizabeth B. Gahm | 620 | |
| | Katherine L. McElroy | 620 | |
| | Julia G. McHugh | 470 | |
| | Mary E. Mulloney | 620 | |
| | Anastasia Peters | 570 | |
| | Emma J. Ross | 620 | |
| | Margaret Sullivan | 520 | |
| | Jane E. Whoriskey | 570 | |
| Holmes | Marianne M. Webb | 630 | 84 |
| | Ann W. Ingalls | 400 | |
| Lassell | Frances E. Whoriskey | 640 | 189 |
| | Rose V. Collier | 620 | |
| | Grace H. Murphy | 400 | |
| | Mary E. Whoriskey | 400 | |
| Lowell | Eusebia A. Minard | 640 | 131 |
| | Malvina M. Joslin | 620 | |
| | Agnes J. McElroy | 620 | |
| Otis | Ellen N. Leighton | 660 | 366 |
| | Frances Allen | 620 | |
| | Bridget T. Boyle | 520 | |
| | Josephine M. Doherty | 620 | |
| | Luella M. Marsh | 620 | |
| | Mabel F. Reycroft | 400 | |
| | Ellen C. Walsh | 620 | |
| | Kate F. Wellington | 620 | |
| Parker | Emily C. Dallinger | 650 | 226 |
| | Mary M. Bucknam | 620 | |
| | Charlotte E. Clapp | 520 | |
| | Margaret E. Fitzgerald | 470 | |
| | Agnes Marchant | 470 | |
| Quincy | Charlotte E. Jewell | 630 | 82 |
| | Lucy C. Wyeth | 620 | |
| Reed | Margaret Kidd | 640 | 187 |
| | Margaret T. Burke | 620 | |
| | Jennie R. Marsh | 470 | |
| | Julia A. Robinson | 620 | |
| Riverside | Elizabeth A. Tower | 640 | 105 |
| | Amanda M. Alger | 620 | |
| | Mary A. Burke | 620 | |
| Sargent | Mary A. Brown | 640 | 203 |
| | Christina D. Barbey | 620 | |
| | Alice J. Hubbard | 470 | |
| | Ella M. Leaver | 620 | |
| Stearns | Fannie E. Higgins | 640 | 187 |
| | Maria J. Bacon | 620 | |
| | Ellen A. Cheney | 620 | |

**Tabular View** — *Continued.*

| Names of Schools. | | Teachers. | Salaries. | No. of Pupils Dec. 1, 1895. |
|---|---|---|---|---|
| Stearns | | Eva A. Taylor | $620 | |
| Tarbell | | Emma J. Young | 640 | 145 |
| | | Florence J. Alley | 570 | |
| | | Sadie E. Meacham | 520 | |
| | | Carrie P. Pierce | 620 | |
| Willard | | Amelia Wright | 705 | 455 |
| | | Sally N. Chamberlain | 620 | |
| | | Grace L. Cowan | 520 | |
| | | M. Elizabeth Evans | 620 | |
| | | Ella F. Gulliver | 620 | |
| | | Julia S. Gushee | 620 | |
| | | Mary E. G. Harrington | 620 | |
| | | Louise W. Harris | 620 | |
| | | Katherine M. Lowell | 620 | |
| | | Eliza D. Watson | 620 | |
| | | Grace R. Woodward | 620 | |
| | | Laura Wright | 620 | |
| Wyman | | Fannie E. M. Dennis | 650 | 276 |
| | | Addie M. Bettinson | 620 | |
| | | M. Carrie Dickman | 620 | |
| | | Georgianna P. Dutcher | 620 | |
| | | Genevieve S. Flint | 570 | |
| | | Mary M. Gilman | 620 | |
| Wellington | Grammar | Herbert H. Bates | 2,200 | 435 |
| | Primary | | | 276 |
| | | Susan G. Lombard | 800 | |
| | | Sarah J. Gunnison | 800 | |
| | | Mary I. Vinton | 800 | |
| | | Carrie H. Stevens | 700 | |
| | | Emma M. Taylor | 620 | |
| | | Harriet M Hanson | 520 | |
| | | Training Class | 4,400 | |
| Kindergartens | Boardman | Mabel S. Eddy | 620 | 47 |
| | | Margaret G. Mulloney | 520 | |
| | Dunster | Clara A. Hall | 620 | 37 |
| | | Mabel L. Sanderson | 480 | |
| | Gannett | Gertrude M. Gove | 620 | 55 |
| | | Margaret Sherlock | 440 | |
| | Gore | Selma E. Berthold | 620 | 63 |
| | | Sarah S. Wells | 480 | |
| | Lowell | Melinda Gates | 620 | 37 |
| | | Caroline F. Carrick | 400 | |
| | Moore Street | Harriette E. Ryan | 620 | 70 |
| | | Nellie A. Watson | 480 | |
| | Riverside | Helen I. Hutchison | 620 | 57 |
| | | Mabel F. Adams | 480 | |
| | Sleeper | Catherine C. Richmond | 440 | 51 |
| | | Mary B. Pratt | 400 | |

The Wellington school is a training school composed of grammar and primary pupils taught by young ladies, graduates of normal schools and candidates for the position of teacher, under the direction and with the assistance of the master of the school and his assistants.

Temporary assistants and members of the training class are counted as nine teachers, the sum of their salaries being about equal to the amount paid to that number of regular teachers.

| | |
|---|---|
| Teacher of Botany — Sarah E. Brassill | $550 |
| Teacher of Gymnastics — Clara E. Sheppard | 500 |
| Teachers of Sewing — Agnes Gordon | 600 |
| Alice H. Nay | 600 |
| Nancy T. Dawe | 240 |
| Director of Music — Frederick E. Chapman | 2,000 |
| Director of Drawing — James M. Stone | 1,700 |
| Assistant in Drawing — Lucia N. Jennison | 800 |
| Special Primary Teacher — Mary A. Lewis | 1,000 |
| Superintendent — Francis Cogswell | 3,000 |
| Agent — Sanford B. Hubbard | 1,800 |
| Clerk — Althea B. Frost | 600 |
| Truant Officers — John Carmichael | 900 |
| Moses M. Child | 900 |
| Francis M. Mason | 900 |
| William H. Porter | 800 |

**Summary.**

| | |
|---|---|
| Number of pupils in Latin School | 388 |
| Number of pupils in English High School | 674 |
| Number of pupils in Grammar Schools | 5,608 |
| Number of pupils in Primary Schools | 5,087 |
| Number of pupils in Kindergartens | 417 |
| Total | 12,174 |
| Number of pupils belonging to the Public Schools, Dec. 1, 1894 | 11,924 |
| Increase of pupils, 1895 | 250 |
| Increase of pupils, 1894 | 278 |
| Increase of pupils, 1893 | 135 |
| Increase of pupils, 1892 | 210 |
| Increase of pupils, 1891 | 222 |
| Average annual increase of pupils, from 1880 to 1890 (inclusive) | 331 |

**The Post Office addresses of the several schools are as follows:**

Cambridge — English High, *Corlett, *Peabody, *Washington, Agassiz, Cushing, Dunster, Holmes, Lowell, Quincy, Riverside.

Cambridgeport — Latin, *Allston, *Harvard, *Morse, *Webster, Boardman, Dana, Felton, Gannett, Parker, Sargent, Stearns, Tarbell, *Wellington, Willard.

East Cambridge — *Putnam, Taylor, *Thorndike, Gore, Lassell, Otis.

North Cambridge — *Shepard, Reed, Sleeper, Wyman.

*Grammar Schools.

## Cost of Instruction.

| | | | |
|---|---|---|---|
| Latin School | $15,059 58 | For each pupil | $38 81 |
| English High School | 24,369 40 | " " " | 36 16 |
| Training School | 11,088 00 | " " " | 15 60 |
| Grammar Schools | 95,785 85 | " " " | 18 52 |
| Primary Schools | 64,371 80 | " " " | 13 38 |
| Kindergartens | 8,281 25 | " " " | 19 86 |
| Teachers of Sewing | 1,400 00 | | |
| Director of Music | 2,000 00 | | |
| Directors of Drawing | 2,500 00 | | |
| Teacher of Botany | 550 00 | | |
| Teacher of Gymnastics | 500 00 | | |
| Substitute Teachers | 487 00 | | |
| Superintendent | 3,000 00 | | |
| Agent | 1,800 00 | | |
| Clerk | 600 00 | | |
| Special Teacher in Primary Schools | 607 75 | | |
| Truant Officers | 3,410 99 | | |
| | $235,811 62 | For each pupil | $19 37 |

| | |
|---|---|
| Cost of instruction in Evening High School | $1,422 50 |
| Cost of instruction in Evening Elementary Schools | 2,427 00 |
| Cost of instruction in Evening Drawing Schools | *1,255 00 |
| | $5,104 50 |

*The director of drawing is principal of these schools. No part of his salary is included in this amount.

### Remarks on the Statistics.

The increase over the last school year in the number of pupils registered is 317; in the average number belonging, 339; in the average daily attendance, 289. In the per cent of attendance there has been a decrease of .2 per cent. The number belonging to the schools in December, 1894, was 11,924; in December, 1895, 12,174; an increase of 250. The entire cost of the day schools, excluding the expenditures for new schoolhouses and new furniture, exceeds that of last year by $11,948.56, and the cost per pupil by 28 cents. For the first time the expenditure for truants is included in the cost of the schools. Were this not included, the increase in the cost per pupil would be 11 cents instead of 28 cents. In the entire cost of instruction the increase is $6,938.14, the cost per pupil being the same as in 1894. While Cambridge expends a large amount for her schools, there are *two hundred and twenty-five* towns and cities in the State which make a larger expenditure in proportion to their wealth. In a list of the thirty-one cities, arranged numerically according to the percentage of their taxable property appropriated to the support of public schools for the year 1894–1895, Cambridge is the *nineteenth;* and compared with the fifty-four towns and cities of our county, Cambridge is the *thirty-first.* In a list of the towns and cities of the State, arranged numerically according to the sum appropriated for each child between five and fifteen years of age, Cambridge is the *thirty-sixth.*

These statistics relating to the schools of the State are taken from the fifty-ninth annual report of the secretary of the Board of Education.

### Text-Books and Supplies.

At the meeting of the Board in December, the committee on supplies submitted a detailed report of the expenditures of that committee for the year.

This report was accepted, and it was voted that it be incorporated in the annual report of the school committee. The report is as follows: —

In accordance with Section 29 of the Rules of the School Board, the Committee on Supplies submit their report for the school year ending July 1, 1895, it being their eleventh annual report.

| | | |
|---|---|---|
| Stock on hand July 1, 1894 | $2,512 54 | |
| Purchases and expenditures from the appropriation | 14,278 03 | |
| Purchases and expenditures by exchanges | 1,046 96 | |
| | | $17,837 53 |
| Delivered to schools, officers, etc. | $14,921 88 | |
| Sold and exchanged from stock | 120 80 | |
| Stock on hand July 1, 1895 | 2,794 85 | |
| | | $17,837 53 |

The purchases and expenditures have been: —

| | | |
|---|---|---|
| For text-books | $7,578 72 | |
| Desk and reference books | 115 38 | |
| Copy and drawing books | 1,152 13 | |
| Apparatus and furnishings | 707 28 | |
| Printing, $227.25; expressage and labor, $242.40; | 469 65 | |
| Repairing books, $258.37; diplomas, $161.47; | 419 84 | |
| Miscellaneous supplies, etc. | 4,881 99 | |
| | | $15,324 99 |
| Less the value of exchanges | | 1,046 96 |
| | | $14,278 03 |

The net cost of text-books and supplies is as follows: —

| | | |
|---|---|---|
| Stock on hand July 1, 1894 | $2,512 54 | |
| Bills paid by the City Treasurer | 14,278 03 | |
| | | $16,790 57 |
| Less stock on hand July 1, 1895 | $2,794 85 | |
| Cash paid to City Treasurer, sales and damages | 256 36 | |
| | | 3,051 21 |
| | | $13,739 36 |
| We have, net cost of all schools and officers | | $13,739 36 |

or an average cost per pupil of $1.152 against $1.243, for the year 1894; $1.109, for the year 1893; $1.149, for the year 1892; $1.248, for the year 1891; $1.334, for the year 1890; $.960, for the year 1889; $1.068, for the year 1888; $1.051, for the year 1887; $1.17, for the year 1886; and $1.88, for the year 1885. The average cost per pupil per annum for eleven years has been $1.215.

The cost of each grade of schools for text-books and supplies is as follows: —

| | Net Expense. | Average per Pupil. | | | | |
|---|---|---|---|---|---|---|
| | | 1895. | 1894. | 1893. | 1892. | 1891. |
| High Schools | $3,150 48 | $2.925 | $3.794 | $3.969 | $3.826 | $3.855 |
| Grammar Schools | 6,463 12 | 1.418 | 1.301 | 1.106 | .969 | 1.231 |
| Mixed Schools | 1,722 06 | 1.083 | 1.264 | 1.005 | 2.398 | 1.203 |
| Primary Schools | 1,402 01 | .325 | .369 | .226 | .140 | .503 |
| Kindergartens | 97 41 | .251 | .588 | .497 | .316 | .648 |
| Evening Schools | 308 10 | ..... | ..... | ..... | ..... | ..... |
| Special Teachers | 52 60 | ..... | ..... | ..... | ..... | ..... |
| Miscellaneous expenses (not chargeable to any grade) | 554 50 | ..... | ..... | ..... | ..... | ..... |
| | $13,750 28 | | | | | |
| Less profit on sales | 10 92 | ..... | ..... | ..... | ..... | ..... |
| | $13,739 36 | $1.152 | $1.243 | $1.169 | $1.149 | $1.248 |

The expenditures for the school year 1894–1895 have been less than for the preceding year by $736.83, or $.091 per pupil. This is owing to a smaller expenditure for desk, reference, and library books, and for apparatus, since the cost of text-books, copy and drawing books, and miscellaneous supplies has been larger than for the year before by $1,601.18.

Reference books and apparatus for the high schools cost less than last year, but the other items of expense were larger. The increase in expenditure for the grammar schools was largely due to the introduction of Frye's primary geography; while the decrease for the other grades was caused principally by the reduction in the price of paper, pencils, etc., which form the chief items in the cost of maintaining them.

The introduction of two new histories, Frye's grammar school geography, and several books in the high schools, and

the increased amount of paper required (now that the use of slates has been discontinued) will add very considerably to the expenses for the school year 1895–96.

In the current financial year the principal increase will be in copy books (for the first time supplied to all the primary grades) in paper, pens, and pencils, and in the desk and reference books needed for the Sleeper, Taylor, and Larch Street schools.

### School Accommodations.

During the past year the Sleeper schoolhouse in North Cambridge has been completed. The building is of brick, and contains eight classrooms, two recitation rooms, and the usual conveniences found in modern schoolhouses. The land, building, and furniture cost twenty-nine thousand one hundred forty-nine dollars. The school was opened on the first of March, and contains kindergarten, primary, and grammar grades.

The Taylor schoolhouse in East Cambridge will be ready for use by the first of March. It has eight finished classrooms, two recitation rooms, an assembly hall sixty feet by forty feet; and there still remains an unfinished portion for two more classrooms. The building is also planned with reference to possible enlargement. It will cost, when completed and furnished, the land being included, about forty-five thousand dollars.

The school is named for Dr. John B. Taylor, who for eleven years was a member of the school committee.

Land has been bought and plans prepared for a new schoolhouse in Ward One. It is expected that the building will be completed by the first of next October.

Steps have already been taken towards a new building for the Latin school. The following order passed both branches of the city council and was approved by the mayor on the eighth of November: —

*Ordered:* —

That the sum of twenty-five hundred dollars ($2,500) is hereby appropriated for the purpose of obtaining plans of a new Latin school building, said building to cost a sum not exceeding two hundred and

fifty thousand dollars ($250,000) including heating, ventilation, and grading, and exclusive of furnishings; said building to be erected upon the city land adjoining the English high schoolhouse lot.

To the successful architect, the sum of $1,000, the sum to be paid to him in case the building is not erected; to the architect next in merit, $500; to the third in merit, $300; to the fourth in merit, $200; to the fifth in merit, $100.

This order has been carried into effect, and plans will be ready in season for work to begin by the first of May.

The Peabody schoolhouse as it now stands is only a part of what the building will be when the original plans are carried out. In the opinion of the committee on schoolhouses, the time has come for its completion. When finished it will be in appearance like the Morse schoolhouse and will contain fourteen rooms and a hall.

The objectionable condition of the sanitary arrangements of the Harvard, Shepard, and Washington schoolhouses has been remedied. Important repairs have also been made in several of the school buildings, and the grounds of the Morse and Sleeper schools have been graded and beautified.

The appointment of a capable and efficient head janitor is again recommended by the committee on schoolhouses. It is believed that he could save the city in fuel alone more than the amount of his salary.

Under the management of the present superintendent of public buildings and the general superintendent of parks, there is no doubt that the schoolhouses and grounds will be well cared for so far as the appropriations will allow.

FRANCIS COGSWELL,

*Superintendent of Public Schools.*

[Further information in regard to the schools will be found in the annual report published by the school committee.]

In School Committee, January 23, 1896.

*Voted*, That the report prepared by the superintendent be adopted as the annual report of the school committee for 1895, and that the secretary be authorized to append the names of the members of the committee thereto.

SANFORD B. HUBBARD,
*Secretary.*

**Members of the School Committee for 1895.**

WILLIAM A. BANCROFT, *Chairman ex officio.*

| | |
|---|---|
| *ELLEN A. GOODWIN. | EDWARD B. MALLEY. |
| WILLIAM TAGGARD PIPER. | WILLIAM H. CLANCY. |
| ALBERT BUSHNELL HART. | CHARLES F. WYMAN. |
| †ELIZABETH Q. BOLLES. | WILLIAM A. MUNROE. |
| ROBERT O. FULLER. | MARY E. MITCHELL. |
| ALPHONSO E. WHITE. | GEORGE P. JOHNSON. |
| CAROLINE L. EDGERLY. | CAROLYN P. CHASE. |
| ANNE CLARK STEWART. | FREDERIC W. TAYLOR. |

*Resigned, Oct. 17.

†Elected, Nov, 12.

# APPENDIX

# ORDINANCES

## PASSED BETWEEN JANUARY, 1895, AND MARCH 1, 1896.

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**An Ordinance in Amendment of an Ordinance Entitled Hackney Carriages and Other Vehicles.**

*Be it ordained by the City Council of the City of Cambridge, as follows:—*

Section 5 of Chapter 23 of the Revised Ordinanees of 1892, is hereby amended by adding thereto the following:—

"No person having charge of any haekney earriage shall receive or permit to be placed therein, or eonvey in or upon the same any person sick with any contagious disease, or the body of any person deceased from such disease."

[*Approved Feb. 20, 1895.*] (Repealed March 20, 1895.)

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**An Ordinance in Relation to the Salary of the Chief Engineer of the Fire Department.**

*Be it ordained by the City Council of the City of Cambridge, as follows:—*

From and after the first day of Mareh, 1895, the salary of the Chief Engineer of the Fire Department shall be at the rate of Eighteen Hundred Dollars a year.

[*Approved March 6, 1895.*]

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**An Ordinance in Amendment of an Ordinance Entitled Water Works.**

*Be it ordained by the City Council of the City of Cambridge, as follows:—*

Section 24 of Chapter 26 of the Revised Ordinanees of 1892 is hereby amended by striking out the following:—

BOARDING-HOUSES.

| | |
|---|---|
| For the first faucet | $9 00 |
| Each additional faucet | 3 00 |
| For pan or hopper water-closet with self-regulating faucet | 9 00 |
| Each additional pan or hopper water-closet with self-regulating faucet | 3 00 |
| Hopper water-closets without self-regulating faucet, each | 15 00 |
| Each slop-closet | 4 00 |
| Bath-tub, when used by boarders | 9 00 |

[*Approved March 13, 1895.*]

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**An Ordinance in Amendment of an Ordinance Entitled Hackney Carriages and Other Vehicles.**

*Be it ordained by the City Council of the City of Cambridge, as follows:* —

Chapter 38 of the Revised Ordinances of 1892, is hereby amended by adding thereto the following: —

Section 10. No person having charge of any hackney carriage shall receive or permit to be placed therein, or convey in or upon the same any person sick with any contagious disease, or the body of any person deceased from such disease.

An ordinance "in amendment of an ordinance entitled Hackney Carriages and other Vehicles," approved February 20, 1895, is hereby repealed.

[*Approved March 20, 1895.*]

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**An Ordinance in Amendment of an Ordinance Entitled General Regulations for Streets, Commons, Reservoirs and Other Public Places.**

*Be it ordained by the City Council of the City of Cambridge, as follows:* —

Section 42 of Chapter 44 of the Revised Ordinances of 1892 is hereby amended by adding at the end thereof the following:—

"Provided, however, that the Water Board may permit fishing in Fresh Pond Reservoir between the hours of 4 and 8 o'clock A.M., under such rules and restrictions as it may establish from time to time, to control the same."

[*Approved April 3, 1895.*]

**An Ordinance in Amendment of an Ordinance in Relation to Water Works.**

*Be it ordained by the City Council of the City of Cambridge, as follows:—*

Section 23 of Chapter 26 of the Revised Ordinances of 1892 is hereby amended by adding at the end thereof the following: —

"Whenever it shall appear to the Water Registrar that an error has been made in the rates charged for any house or tenement whereby a larger amount has been charged than is required by section 24 of this chapter, he shall cause an abatement certificate to be made for the amount of the excess charged, and forthwith transmit the same to the City Treasurer, who shall send a corrected notice to the owner or the person to whom the rates are charged."

[*Approved April 4, 1895.*]

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**An Ordinance in Amendment of an Ordinance Entitled Engineering.**

*Be it ordained by the City Council of the City of Cambridge, as follows:—*

Section 9 of Chapter 10 of the Revised Ordinances of 1892 is hereby amended by adding thereto the following:—

"He shall also in said report call attention to any street improvements for which betterments may be assessed, and shall state the limit of time within which such assessments must be made."

[*Approved April 17, 1895.*]

---

**An Ordinance in Amendment of an Ordinance in Relation to Streets.**

*Be it ordained by the City Council of the City of Cambridge, as follows:—*

Section 5 of Chapter 24 of the Revised Ordinances of 1892 is hereby repealed.

[*Approved May 1, 1895.*]

**An Ordinance in Relation to the Salaries of the Call Members of the Fire Department.**

*Be it ordained by the City Council of the City of Cambridge, as follows: —*

From and after the first day of June, 1895, the salaries of the Call Members of the Fire Department shall be at the following rates per annum: —

| | |
|---|---|
| Captains | $245 00 |
| Lieutenants | 235 00 |
| Members | 225 00 |

[*Approved May 23, 1895.*]

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**An Ordinance in Amendment of an Ordinance in Relation to the Salaries of Certain Permanent Members of the Fire Department.**

*Be it ordained by the City Council of the City of Cambridge, as follows: —*

An ordinance establishing the salaries of certain members of the Fire Department is hereby amended as follows: —

By striking out the figures "$1,000.00" in the sixth line after the words "First twelve months of service," and inserting in place thereof the figures "$1,020.00."

[*Approved June 13, 1895.*]

---

**An Ordinance in Amendment of an Ordinance in Relation to Plumbing.**

*Be it ordained by the City Council of the City of Cambridge, as follows: —*

Section 12 of an ordinance in relation to plumbing, approved November 23, 1893, is hereby amended by striking out the last sentence in said section, as follows: —

"Every part of every drain pipe below a cellar floor shall be laid in a brick trench with a concrete base, and shall be accessible through sufficient unattached covers."

[*Approved July 3, 1895.*]

**An Ordinance Confirmatory of and in Addition to an Ordinance Entitled, An Ordinance Establishing a Fire Limit and Relating to the Construction of Buildings Therein, Approved December 5, 1894, and in Amendment of Certain Other City Ordinances.**

*Be it ordained by the City Council of the City of Cambridge, as follows:—*

Section 1. The fire limit established under an ordinance approved December 5, 1894, is hereby confirmed and re-established under the provisions of Chapter 71, of the Acts of 1895, and the first six sections of said ordinance are hereby ratified and re-enacted under the provisions and authority of said statute.

Sect. 2. Section seven of said ordinance, approved December 5, 1894, is hereby repealed.

Sect. 3. All frame or wooden buildings exceeding a height of fifteen feet from underpinning, shall be built with sills, posts, girts, plates and rafters, all of suitable size and mortised, tennoned, braced and pinned, and with suitable studs not less than 2″x4″ to space not more than 16″ on centres, and if the building exceeds four hundred feet in area the posts and girts shall not be less than 4″x8″. Floor timbers shall not be less than 2″ thick.

Sect. 4. No ledger boards shall be used in place of girts in any building where the posts exceed fifteen feet in height; and all openings at floors, whether caused by ledger-board floor joists laid upon girts, or floor joists projecting above sills, shall be stopped by joists not less than two inches thick fitted tightly between the studs.

Sect. 5. No building hereafter erected or altered to be finished in whole or in part, shall be lathed or plastered until the Inspector shall have inspected the fire stops required in said building, and a written notice from him to the builder, that it has been accepted, and it shall be the duty of said Inspector to inspect said premises and issue the permit for same as soon as practicable after receiving a written notice that said premises are ready for inspection.

Sect. 6. Every wooden building consisting of two or more dwellings, shall have brick walls between the houses not less than eight inches thick, built up to one inch of the roof covering, or built up at least twelve inches above the roof and covered with metallic covering, or where said wall is not carried above the roof there shall be placed on each side of said wall a rafter, which shall be filled in solidly with mortar between said wall and rafters.

Sect. 7. Section 18 of Chapter 13 of the Revised Ordinances of 1892, is hereby amended by inserting the words "and party" after the word "external" in the first line thereof, so that said section as amended will read as follows: —

Sect. 18. The external and party walls of all brick dwelling-houses hereafter erected, if not more than twelve feet high above the foundation walls, shall be not less than eight inches thick for their entire height; if two stories and not more than twenty-five feet in height above the foundation walls, they shall be not less than twelve inches thick to the top of the second floor, and not less than eight inches thick for the remaining height; and, if three stories and more than twenty-five feet in height, they shall be not less than twelve inches thick to the top of the third floor, and not less than eight inches thick for the remaining height.

Sect. 8. All buildings over twenty feet high shall have permanent means of access to the roof from the inside. The openings shall not be less than eighteen by thirty inches.

Sect. 9. Section 40 of Chapter 13 of the Revised Ordinances of 1892, is hereby amended by adding the words, "The brick jambs of every fire-place, range or grate opening, shall be at least eight inches wide each, and the backs of such openings shall be eight inches thick at least two feet above such openings. Brick-work over fire-places and grate openings shall be supported by proper iron bars or brick or stone arches," so that said section as amended will read as follows: —

Sect. 40. All hearths shall be supported upon trimmer arches of brick or stone, or upon bars of iron supporting a bed of brick-work, and shall be at least twelve inches longer than the width of the fire-place openings and at least eighteen inches wide in front of the chimney breast. The brick jambs of every fire-place, range or grate opening shall be at least eight inches wide each, and the backs of such openings shall be eight inches thick at least one foot above such openings. Brick-work over fire-places and grate openings shall be supported by proper iron or brick or stone arches.

Sect. 10. In the erection or alteration of any building, the material of which, in whole or in part, is other than brick, stone or wood, the thickness of walls of such material and the method of construction shall be such as the Inspector shall approve.

Sect. 11. Every wooden building hereafter erected, to be used as a dwelling-house, shall be not more than three stories in height

from the grade of the street or place upon which it is to be erected, nor be less than one foot six inches to the line of any adjoining lot, nor if there is a dwelling-house upon the adjoining lot, be nearer than three feet to such dwelling-house without the intervention of a brick wall or other incombustible material, satisfactory to the Inspector of Buildings.

Sect. 12. Every hotel, family-hotel, apartment-house, boarding-house, lodging-house or tenement-house hereafter erected, more than two stories high from the level of the street, shall be provided with two stairways placed in such a manner, at opposite sides or ends of the building, that the inmates shall have easy means of egress at all times; said stairways to lead from each story, and all halls leading from front to rear shall be provided with doors so as to form a fire and smoke stop.

Sect. 13. Section 37 of Chapter 13 of the Revised Ordinances is hereby amended by adding at the end thereof the following: —

"No part of any floor timber shall be within two inches of any chimney," so that said Section 37, as amended, shall read as follows: —

Sect. 37. No wood-work of any kind, except the roof covering, shall be placed at a less distance than one inch from the outside of the brick-work of any flue. No wood-work shall be placed at a less distance than one inch from any tin or other metal flue or pipe used or intended to be used to convey heated air, hot water or steam, in any building, unless such flue or pipe be cased with a metal sleeve of larger diameter than said flue or pipe, so as to permit a free circulation of air all around the same. No part of any floor timber shall be within two inches of any chimney.

Sect. 14. The sills of wooden dwelling-houses shall be not less than one foot above the ground to the under side of the same. All basement walls of frame or wooden buildings shall be not less than eight inches thick, if of brick, and sixteen inches thick if of stone. When such walls are eight feet high or more above the surface of the ground, it shall be not less than twelve inches thick if of brick, and not less than eighteen inches thick if of stone.

Sect. 15. In all brick buildings over twenty feet in width, not having either brick partition walls or girders supported by columns, running from front to rear, and the entire height of the building, the external and party walls shall be increased four inches in thick-

ness for every additional twenty-five feet or fractional part thereof in the width of said building.

Sect. 16. Unless otherwise permitted by the Statutes of this Commonwealth, no person shall construct or place or cause to be constructed or placed, a portico, porch, door, window, step, or other projection projecting into a street.

Sect. 17. Section 13 of Chapter 13 of the Revised Ordinances of 1892 is hereby repealed, and the following shall be inserted in place thereof: —

Sect. 13. The foundation walls of all dwelling-houses to be hereafter erected shall be constructed of the dimensions, and in the manner following, viz.: —

For wooden houses not exceeding three stories in height, said foundation walls, if made of rubble stone, shall be not less than sixteen inches thick at top and twenty inches thick at the bottom, the slope to be upon the outside of the wall, and shall be laid in mortar made of at least one part cement to three parts lime mixed with clean, sharp sand, in the proportion of at least one part of cement and lime to two parts sand; and if made of block stone laid in horizontal courses, shall be laid in cement mortar; or of bricks laid upon stone levellers not less than twenty inches broad and twelve inches thick, and said brick foundation walls shall be not less than sixteen inches thick, or twelve inches thick with buttresses not less than twelve inches wide, as often as once in ten feet, which shall project four inches at the top, and at the bottom a sufficient distance to give a batter of one in ten.

For brick or stone houses having walls not exceeding twenty-five feet in height above the foundations, the foundation walls shall be built in all respects the same as described in the preceding paragraph, except that they shall be four inches thicker than called for in said paragraph.

The foundation walls of brick or stone houses having walls exceeding twenty-five feet, and not exceeding forty-five feet in height above the foundation wall, if built of rubble stone, shall be not less than twenty-four inches thick at the top, and thirty inches thick at the bottom, and shall be laid in mortar the same as provided in the second paragraph of this section; and if made of block stone in horizontal courses, or of brick laid in cement, upon stone levellers not less than thirty inches broad and twelve inches thick, said foundation walls shall be not less than twenty inches thick.

The foundation walls of all brick or stone houses having exterior walls exceeding forty-five feet in height above said foundation walls, if made of rubble stone, shall be not less than thirty inches thick at the top, and thirty-six inches thick at the bottom, and shall be laid in mortar the same as provided in the second paragraph of this section, and if made of block stone laid in horizontal courses, shall be laid in cement mortar; or of brick laid upon stone levellers, not less than thirty-six inches broad and sixteen inches thick.

Every building shall have a foundation, the bearing of which shall be not less than four feet below any adjoining surface exposed to frost.

Sect. 18. Any person or corporation violating any provision of this ordinance or any provision of said first six sections of said ordinance, approved December 15, 1894, shall (except as otherwise provided) be punished by a fine not exceeding one hundred dollars for each offence.

[*Approved June 21, 1895.*]

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**An Ordinance in Amendment of an Ordinance in Relation to Duties and Salaries.**

*Be it ordained by the City Council of the City of Cambridge, as follows: —*

Section 30 of Chapter 27 of the Revised Ordinances of 1892, is hereby amended in the line relating to the salary of the City Solicitor, by striking out the figures $2,500.00 at the end of said line, and inserting in place thereof the figures $3,500.00, the same to take effect July 1st, 1895.

[*Approved Sept. 4, 1895.*]

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**An Ordinance Relating to Fire Limits and to the Construction of Buildings Within Certain Districts Therein.**

*Be it ordained by the City Council of the City of Cambridge, as follows: —*

Section 1. Within the following described district of the Fire Limits as heretofore established no buildings other than of the first and second classes shall hereafter be erected: —

Starting from the westerly end of Craigie bridge and running continuously therefrom on both sides of Bridge street to and includ-

ing Lechmere square and thence running continuously westerly on both sides of Cambridge street to and including Inman square and within the area included between the city building lines wherever established on said Bridge and Cambridge streets and said squares and where building lines are not so established, within the area included between the lines of private ownership adjacent to the lines of said Bridge and Cambridge streets and said squares and a line distant one hundred feet to the right and left at right angles from each and every point of said building lines and said street lines of private ownership on both sides of said Bridge and Cambridge streets and all sides of said squares between the westerly end of Craigie bridge and Inman square as aforesaid.

In this ordinance the titles, Lechmere square and Inman square, shall mean the respective areas included within the following boundaries, viz. : —

LECHMERE SQUARE.

Beginning at a point in the southerly line of Cambridge street at its intersection with the southwesterly line of Bridge street, thence westerly along said line of Cambridge street about 343 feet to its intersection with the northwesterly line of Lechmere square; thence northeasterly along said northwesterly line of Lechmere square about 219 feet to its intersection with the northeasterly line of Bridge street; thence southeasterly along said northeasterly line of Bridge street about 318 feet; thence southwesterly by a line at right angles to the northeasterly line of Bridge street about 77 feet to its intersection with the southwesterly line of Bridge street at the point of beginning.

INMAN SQUARE.

Beginning at a point in the southerly line of Cambridge street at its intersection with the northeasterly line of Hampshire street, thence southwesterly by a line at right angles to said line of Hampshire street 66 feet to its intersection with the southwesterly line of Hampshire street; thence northwesterly along said line of Hampshire street about 85 feet to its intersection with the southerly line of Cambridge street; thence westerly along said southerly line of Cambridge street about 121 feet; thence northerly by a line at right angles to said line of Cambridge street 66 feet to its intersection with the northerly line of Cambridge street at the tangent point of a curve; thence easterly and northerly along said curve of 1275 feet radius about 315 feet to its other tangent point in the southwesterly

line of Hampshire street; thence by a line at right angles to said line of Hampshire street 66 feet to its intersection with the northeasterly line of Hampshire street; thence southeasterly along said northeasterly line of Hampshire street about 120 feet to its intersection with the northerly line of Cambridge street; thence easterly along said northerly line of Cambridge street 92 feet; thence southwesterly across Cambridge street about 67 feet to the point of beginning.

Sect. 2. In this ordinance the phrase "building of the first class" shall mean a building of fire-proof construction throughout, and the phrase "building of the second class" shall mean a building not of the first class, the external and party walls of which are of brick, stone, iron or other equally substantial and incombustible material.

Sect. 3. The external and party walls of all dwellings of the first and second classes shall be as follows: — twenty feet by forty feet, twelve feet high, not less than eight inches; twelve feet to sixty feet high, twelve inches; sixty feet to seventy feet high, sixteen inches to second floor, twelve inches above; seventy feet to eighty feet high, twenty inches to second floor, sixteen inches to upper floor, and twelve inches above; all walls of dwellings of eighty feet or more in height shall have for the upper eighty feet, the thickness required for buildings between seventy and eighty feet in height, and every section of twenty-five feet thereof below such upper eighty feet shall have a thickness of four inches more than is required for the section next above it.

Sect. 4. The external and party walls of all buildings of the first and second class other than dwellings shall be as follows: — above the foundations of every such building, forty feet or less in height, shall be sixteen inches thick to the top of the second floor and twelve inches for the remaining height. Such walls of such buildings of forty feet or over but not over sixty feet in height, twenty inches to the top of the second floor, sixteen inches for the remaining height. Such walls of such buildings of sixty feet or over but not over eighty feet high, twenty-four inches to the top of the first floor, twenty inches to the top of the upper floor, and to within fifteen feet of the roof, and sixteen inches above. Such walls of such buildings of eighty feet or more in height shall have for the upper eighty feet the thickness required for buildings between seventy feet and eighty feet in height, and every section of twenty-five feet or part thereof below

such upper eighty feet shall have a thickness of four inches more than is required for the section next above it.

Sect. 5. Vaulted walls shall contain exclusive of withes the same amount of material as is required for solid walls, and the walls on either side of the air space in a wall carrying a floor shall be not less than eight inches thick and shall be securely tied together with ties not more than two feet apart.

Sect. 6. External walls may with the consent of the Superintendent of Public Buildings be built in part of iron or steel and when so built may be of less thickness than as above required for external walls, provided such walls meet the requirements of this ordinance as to strength and provided that all constructional parts are wholly protected from heat by brick or terra cotta or by plastering three quarters of an inch thick with iron furring and wiring.

Sect. 7. No wooden building shall be moved from place to place on the same lot or from one lot to another within the districts described in section one of this ordinance or from without said districts into either of the same, except upon a permit from the Superintendent of Public Buildings.

Sect. 8. Hereafter within the district described in section one of this ordinance no building shall be erected or altered and no building damaged by fire or other casualty shall be repaired or restored to its former condition and no work which impairs the strength or increases the fire risk of any wall, structure or building shall be done except upon a permit from the Superintendent of Public Buildings and in conformity with the provisions of this ordinance.

Sect. 9. Within the aforesaid district any alterations made in a structure shall conform to the provisions of this ordinance for a new structure, but if the alteration to be made is of such an extent as when done to practically produce a new structure or impair the stability or increase the fire risk as a whole, then the entire structure shall be made to conform to the provisions of this ordinance for a new structure. A building damaged by fire or other casualty within said district may be repaired or restored so as to conform to its original condition or may be reconstructed in certain or all of its parts so as to conform to the requirements of this ordinance for new buildings as the Superintendent of Public Buildings may specify in his permit.

SECT. 10. Sections 18, 19, and 22 of Chapter 13 of the Revised Ordinances, in so far as they are inconsistent with this ordinance, are hereby repealed.

SECT. 11. Any person or corporation violating any provision of this ordinance shall be punished by a fine not exceeding one hundred dollars for each offence.

[*Approved Sept. 25, 1895.*]

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**An Ordinance in Amendment of an Ordinance in Relation to Water Works.**

*Be it ordained by the City Council of the City of Cambridge, as follows:* —

Section 24 of Chapter 26 of the Revised Ordinances of 1892 is hereby amended by striking out the first paragraph relating to metering water and inserting in place thereof the following: —

"The Board shall have power to ascertain by meter the quantity of water used in any case, and a meter shall be applied whenever in the judgment of the Board it is expedient. The charge for metered water shall be as follows: —

"For manufacturing purposes at the rate of one and one-half cents for each one hundred gallons.

"For steam and electric railroad purposes at the rate of two cents for each one hundred gallons.

"For all other purposes at the rate of three cents for each one hundred gallons.

"When the water used by any one taker shall amount to more than five million gallons in any one year, commencing the first day of July, then the charge shall be at the rate of one cent for each one hundred gallons of the excess over that quantity.

"In no case, however, shall the minimum charge for water for manufacturing purposes be less than ten dollars per annum, and for all other purposes less than fifteen dollars per annum."

This amendment shall take effect on the first day of January, 1896.

[*Approved Oct. 9, 1895.*]

**An Ordinance in Further Amendment of an Ordinance Relating to Fire Limits and to the Construction of Buildings Within Certain Districts Therein.**

*Be it ordained by the City Council of the City of Cambridge, as follows: —*

Section 1 of an Ordinance relating to Fire Limits and the Construction of Buildings within certain districts therein, approved Sept. 25, 1895, is hereby further amended by adding thereto, after the word "aforesaid," in the last line of the third paragraph of said section as previously amended, the following: —

Third: Starting from the Harbor Commissioners' line on the westerly side of Charles River, on the westerly end of West Boston bridge and running continuously therefrom on both sides of Main street to and including Kendall square and Smith square, and thence running continuously westerly on both sides of said Main street to its intersection with Massachusetts avenue at Lafayette square and within the area included between the city building lines wherever established in said Main street and said squares, and where building lines are not so established within the area included between the lines of private ownership adjacent to the lines of said Main street and said squares and a line distant one hundred feet to the right and left at right angles from each and every point of said building lines and said street lines of private ownership on both sides of said Main street and all sides of said squares between the Harbor Commissioners' line on the westerly end of West Boston bridge to Lafayette square as aforesaid.

Also, in the fourth paragraph of said section as previously amended, by striking out the words "and Inman square," and inserting instead thereof the words: "Inman square, Kendall square and Smith square."

Also, at the end of the eleventh paragraph, after the word "beginning," by inserting the following: —

KENDALL SQUARE.

Beginning at a point in the northeasterly line of Broadway at its intersection with the northwesterly line of Third street, thence southeasterly along said line of Broadway about 318 feet to its intersection with the northerly line of Main street, thence by a line at right angles to said northerly line of Main street 70 feet to its intersection with the southerly line of Main street, thence westerly

along said southerly line of Main street about 380 feet to its intersection with the northwesterly line of Third street produced and extended southerly, thence northeasterly along said extension and northwesterly line of Third street about 218 feet to its interseetion with the northeasterly line of Broadway at the point of beginning.

SMITH SQUARE.

Beginning at a point in the northeasterly line of Harvard street at its intersection with the northwesterly line of Sixth street, thence southeasterly along said line of Harvard street about 224 feet to its intersection with the northerly line of Main street, thence southerly by a line at right angles to said line of Main street 70 feet to its intersection with the southerly line of Main street, thence westerly along said southerly line about 223 feet, thenee northerly by a line at right angles to said southerly line about 120 feet to its intersection with the southwesterly line of Harvard street, thence northeasterly by a line at right angles to said southwesterly line of Harvard street 50 feet to its intersection with the northeasterly line of Harvard street at the point of beginning.

So that said section and said ordinanee as hereby further amended shall read as follows : —

**An Ordinance Relating to Fire Limits and to the Construction of Buildings Within Certain Districts Therein.**

*Be it ordained by the City Council of the City of Cambridge, as follows : —*

Section 1. Within the following described district of the Fire Limits as heretofore established no buildings other than of the first and second classes shall hereafter be ereeted : —

First : Starting from the westerly end of Harvard bridge on Massachusetts avenue and running eontinuously therefrom on both sides of Massachusetts avenue to Waterhouse street, ineluding Lafayette, Central, Putnam, Quincy and Harvard squares and within the area included between the eity building lines wherever established on said Massachusetts avenue and squares and where such building lines are not established, within the area included between the lines of private ownership adjaeent to the lines of said Massachusetts avenue and squares and a line distant one hundred feet to the right and left at right angles from eaeh and every point

of said building lines and said street lines of private ownership on both sides of said Massachusetts avenue and all sides of said squares between the westerly end of Harvard bridge and said Waterhouse street as aforesaid.

Second: Starting from the westerly end of Craigie bridge and running continuously therefrom on both sides of Bridge street to and including Lechmere square and thence running continuously westerly on both sides of Cambridge street to and including Inman square and within the area included between the city building lines wherever established on said Bridge and Cambridge streets and said squares and where building lines are not so established, within the area included between the lines of private ownership adjacent to the lines of said Bridge and Cambridge streets and said squares and a line distant one hundred feet to the right and left at right angles from each and every point of said building lines and said street lines of private ownership on both sides of said Bridge and Cambridge streets and all sides of said squares between the westerly end of Craigie bridge and Inman square as aforesaid.

Third: Starting from the Harbor Commissioners' line on the westerly side of Charles River on the westerly end of West Boston bridge, and running continuously on both sides of Main street to and including Kendall square and Smith square, and thence running continuously westerly on both sides of said Main street to its intersection with Massachusetts avenue at Lafayette square and within the area included between the city building lines wherever established in said Main street and said squares and where building lines are not so established within the area included between the lines of private ownership adjacent to the lines of said Main street and said squares and a line distant one hundred feet to the right and left at right angles from each and every point of said building lines and said street lines of private ownership on both sides of said Main street and all sides of said squares between the Harbor Commissioners' line on the westerly end of West Boston bridge to Lafayette square as aforesaid.

In this ordinance the titles Lafayette square, Central square, Putnam square, Quincy square, Harvard square, Lechmere square, Inman square, Kendall square and Smith square shall mean the respective areas included within the following boundaries, viz.: —

### LAFAYETTE SQUARE.

Beginning at a point in the northerly line of Main street at its intersection with the easterly line of Columbia street; thence southerly by a line at right angles to said line of Main street 70 feet to its intersection with the southerly line of Main street; thence westerly along the southerly line of Main street about 3 feet to the tangent point of a curve; thence westerly, southerly and easterly along said curve of 18 feet radius about 46.2 feet to its other tangent point in the northeasterly line of Massachusetts avenue; thence southwesterly by a line at right angles to said line of Massachusetts avenue about 91 feet to its intersection with the southwesterly line of Massachusetts avenue; thence northwesterly along said southwesterly line of Massachusetts avenue about 202 feet; thence northeasterly by a line at right angles to the southwesterly line of Massachusetts avenue 103 feet to its intersection with the northeasterly line of said avenue; thence easterly along the northeasterly line of Massachusetts avenue and the northerly line of Main street about 179 feet to its intersection with the easterly line of Columbia street at the point of beginning.

### CENTRAL SQUARE.

Beginning at a point in the southwesterly line of Massachusetts avenue at its intersection with the southerly line of Western avenue; thence westerly along said southerly line about 124 feet to its intersection with the southeasterly line of Magazine street; thence southwesterly along said southeasterly line of Magazine street about 140 feet to its intersection with the southwesterly line of Green street; thence northwesterly along said southwesterly line of Green street about 227 feet to its intersection with the northerly line of Western avenue; thence easterly along said northerly line of Western avenue about 191 feet to its intersection with the northwesterly line of Central square; thence northeasterly along said northwesterly line of Central square about 191 feet to its intersection with the northeasterly line of Massachusetts avenue; thence southeasterly along said northeasterly line of Massachusetts avenue about 182 feet; thence southwesterly by a line at right angles to the northeasterly line of Massachusetts avenue about 103 feet to its intersection with the southwesterly line of Massachusetts avenue at the point of beginning.

### PUTNAM SQUARE.

Beginning at a point in the southwesterly line of Mt. Auburn street at its intersection with the westerly line of Putnam avenue; thence northerly along said line of Putnam avenue 92 feet to its intersection with the southwesterly line of Massachusetts avenue; thence northeasterly by a line at right angles to said line of Massachusetts avenue 62 feet to its intersection with the northeasterly line of Massachusetts avenue; thence southeasterly along said northeasterly line about 215 feet; thence southwesterly by a line at right angles to the southwesterly line of Massachusetts avenue about 66 feet to its intersection with said southwesterly line; thence along the southwesterly line of Massachusetts avenue and Mt. Auburn street about 190 feet to its intersection with the westerly line of Putnam Avenue at the point of beginning.

### QUINCY SQUARE.

Beginning at a point in the northeasterly line of Harvard street at its intersection with the easterly line of Quincy street; thence southerly along said line of Quincy street about 211 feet to its intersection with the southwesterly line of Massachusetts avenue; thence northwesterly along said southwesterly line about 300 feet; thence northeasterly by a line at right angles to said southwesterly line about 85 feet to its intersection with the northeasterly line of Harvard street; thence southeasterly along said line of Harvard street about 198 feet to its intersection with the easterly line of Quincy street at the point of beginning.

### HARVARD SQUARE.

Beginning at a point in the northwesterly line of Massachusetts avenue at its intersection with the northerly line of Brattle street; thence in a generally northerly direction along said line of Massachusetts avenue about 552 feet; thence northeasterly by a line at right angles to the said line of Massachusetts avenue about 67 feet to its intersection with the northeasterly line of Massachusetts avenue; thence southerly, easterly and northerly by a curved line of 38 feet radius about 100 feet; thence easterly by a line at right angles to the westerly line of Peabody street 66 feet to its intersection with the easterly line of Peabody street; thence southerly along said easterly line about 433 feet; thence southerly and easterly by a curved line of varying radius about 188 feet; thence

southwesterly about 88 feet to the intersection of the southwesterly line of Massachusetts avenue with the northeasterly line of Dunster street; thence northwesterly along the southwesterly line of Massachusetts avenue about 218 feet to its intersection with the northwesterly line of Massachusetts avenue; thence northeasterly along said northwesterly line about 40 feet to its intersection with the northerly line of Brattle Street at the point of beginning.

LECHMERE SQUARE.

Beginning at a point in the southerly line of Cambridge street at its intersection with the southwesterly line of Bridge street; thence westerly along said line of Cambridge street about 343 feet to its intersection with the northwesterly line of Lechmere square; thence northeasterly along said northwesterly line of Lechmere square about 219 feet to its intersection with the northeasterly line of Bridge street; thence southeasterly along said northeasterly line of Bridge street about 318 feet; thence southwesterly by a line at right angles to the northeasterly line of Bridge street about 77 feet to its intersection with the southwesterly line of Bridge Street at the point of beginning.

INMAN SQUARE.

Beginning at a point in the southerly line of Cambridge street at its intersection with the northeasterly line of Hampshire street, thence southwesterly by a line at right angles to said line of Hampshire street 66 feet to its intersection with the southwesterly line of Hampshire street; thence northwesterly along said line of Hampshire street about 85 feet to its intersection with the southerly line of Cambridge street; thence westerly along said southerly line of Cambridge street about 121 feet; thence northerly by a line at right angles to said line of Cambridge street 66 feet to its intersection with the northerly line of Cambridge street at the tangent point of a curve; thence easterly and northerly along said curve of 1275 feet radius about 315 feet to its other tangent point in the southwesterly line of Hampshire street; thence by a line at right angles to said line of Hampshire street 66 feet to its intersection with the northeasterly line of Hampshire street; thence southeasterly along said northeasterly line of Hampshire street about 120 feet to its intersection with the northerly line of Cambridge street; thence easterly along said northerly line of Cambridge Street 92 feet; thence southwesterly across Cambridge street about 67 feet to the point of beginning.

KENDALL SQUARE.

Beginning at a point in the northeasterly line of Broadway at its intersection with the northwesterly line of Third street; thence southeasterly along said line of Broadway about 318 feet to its intersection with the northerly line of Main street; thence by a line at right angles to said northerly line of Main street 70 feet to its intersection with the southerly line of Main street; thence westerly along said southerly line of Main street about 380 feet to its intersection with the northwesterly line of Third street produced and extended southerly; thence northeasterly along said extension and northwesterly line of Third street about 218 feet to its intersection with the northeasterly line of Broadway at the point of beginning.

SMITH SQUARE.

Beginning at a point in the northeasterly line of Harvard street at its intersection with the northwesterly line of Sixth street; thence southeasterly along said line of Harvard street about 224 feet to its intersection with the northerly line of Main street; thence southerly by a line at right angles to said line of Main street 70 feet to its intersection with the southerly line of Main street; thence westerly along said southerly line about 223 feet; thence northerly by a line at right angles to said southerly line about 120 feet to its intersection with the southwesterly line of Harvard street; thence northeasterly by a line at right angles to said southwesterly line of Harvard street 50 feet to its intersection with the northeasterly line of Harvard street at the point of beginning.

Sect. 2. In this ordinance the phrase "building of the first class" shall mean a building of fireproof construction throughout; and the phrase "building of the second class" shall mean a building not of the first class, the external and party walls of which are of brick, stone, iron or other equally substantial and incombustible material.

Sect. 3. The external and party walls of all dwellings of the first and second classes shall be as follows: — twenty feet by forty feet, twelve feet high, not less than eight inches; twelve feet to sixty feet high, twelve inches; sixty feet to seventy feet high, sixteen inches to second floor, twelve inches above; seventy feet to eighty feet high, twenty inches to second floor, sixteen inches to upper floor, and twelve inches above; all walls of dwellings of eighty feet or more in height shall have for the upper eighty feet,

the thickness required for buildings between seventy and eighty feet in height, and every section of twenty-five feet thereof below such upper eighty feet shall have a thickness of four inches more than is required for the section next above it.

Sect. 4. The external and party walls of all buildings of the first and second classes other than dwellings shall be as follows : — above the foundations of every such building, forty feet or less in height, shall be sixteen inches thick to the top of the second floor and twelve inches for the remaining height. Such walls of such buildings of forty feet or over but not over sixty feet in height, twenty inches to the top of the second floor, sixteen inches for the remaining height. Such walls of such buildings of sixty feet or over but not over eighty feet high, twenty-four inches to the top of the first floor, twenty inches to the top of the upper floor and to within fifteen feet of the roof, and sixteen inches above. Such walls of such buildings of eighty feet or more in height shall have for the upper eighty feet the thickness required for buildings between seventy feet and eighty feet in height and every section of twenty-five feet or part thereof below such upper eighty feet shall have a thickness of four inches more than is required for the section next above it.

Sect. 5. Vaulted walls shall contain, exclusive of withes, the same amount of material as is required for solid walls, and the walls on either side of the air space in a wall carrying a floor shall be not less than eight inches thick, and shall be securely tied together with ties not more than two feet apart.

Sect. 6. External walls may with the consent of the Superintendent of Public Buildings be built in part of iron or steel, and when so built may be of less thickness than as above required for external walls, provided such walls meet the requirements of this ordinance as to strength, and provided that all constructional parts are wholly protected from heat by brick or terra cotta or by plastering three-quarters of an inch thick with iron furring and wiring.

Sect. 7. No wooden building shall be moved from place to place on the same lot or from one lot to another within the districts described in section one of this ordinance or from without said districts into either of the same, except upon a permit from the Superintendent of Public Buildings.

Sect. 8. Hereafter within the districts described in section one of this ordinance no building shall be erected or altered, and no

building damaged by fire or other casualty shall be repaired or restored to its former condition, and no work which impairs the strength or increases the fire risk of any wall, structure or building shall be done, except upon a permit from the Superintendent of Public Buildings and in conformity with the provisions of this ordinance.

Sect. 9. Within the aforesaid districts any alterations made in a structure shall conform to the provisions of this ordinance for a new structure, but if the alteration to be made is of such an extent as when done to practically produce a new structure or impair the stability or increase the fire risk as a whole, then the entire structure shall be made to conform to the provisions of this ordinance for a new structure. A building damaged by fire or other casualty within said districts may be repaired or restored so as to conform to its original condition, or may be reconstructed in certain or all of its parts so as to conform to the requirements of this ordinance for new buildings, as the Superintendent of Public Buildings may specify in his permit.

Sect. 10. Sections 18, 19 and 22 of Chapter 13 of the Revised Ordinances, in so far as they are inconsistent with this ordinance, are hereby repealed.

Sect. 11. Any person or corporation violating any provision of this ordinance shall be punished by a fine not exceeding one hundred dollars for each offence.

[*Approved Oct. 9, 1895.*]

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**An Ordinance in Relation to the Compensation of Precinct Officers.**

*Be it ordained by the City Council of the City of Cambridge, as follows:* —

The compensation of the several precinct officers shall be at the following rates, viz.: —

Wardens, Clerks and Inspectors, for each day's actual service, at the rate of eight dollars per day, each.

Deputy officers, who shall be in attendance at the opening of the polls, at the rate of one dollar and a half a day each.

[*Approved Oct. 16, 1895.*]

**An Ordinance Repealing an Ordinance in Relation to Ice for Domestic Uses.**

*Be it ordained by the City Council of the City of Cambridge, as follows: —*

Chapter 39 of the Revised Ordinances of 1892, as amended March 30, 1893, is hereby repealed.

[*Approved Jan. 1, 1896.*]

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**An Ordinance in Relation to Ice for Domestic Uses.**

*Be it ordained by the City Council of the City of Cambridge, as follows: —*

The following is hereby adopted as Chapter 39 of the Revised Ordinances of 1892.

Section 1. All persons who intend to sell or distribute ice in this city for domestic purposes shall, before the fifteenth day of April in each year, give notice of such intention in writing to the inspector of milk and vinegar, which notice shall state particularly the source or sources from which their ice is taken.

Sect. 2. All persons who sell or distribute ice in this city for domestic purposes, shall permit the said inspector, at all reasonable times, to have access to and freely examine the ice intended for such supply, and shall permit samples to be taken by him from time to time for the purpose of analysis.

Sect. 3. Some time during the month of April in each year, and at such other times as he may deem proper, the said inspector shall examine, or cause to be examined, the ice and the sources of supply of ice which is offered for sale or distribution in this city for domestic use; and he shall take samples and make or cause to be made proper and careful analysis of the same.

Sect. 4. The inspector shall, immediately upon completing any analysis or receiving the result of any analysis made by virtue of this ordinance, make a full report to the Board of Health of this city, and file a copy of the same with the City Clerk, which reports shall always be open to public inspection.

Sect. 5. Whenever any person who sells or distributes ice in this city for domestic purposes shall neglect or refuse to give the notice provided for by section one of this ordinance, or shall refuse to give or permit the said inspector to take a sample of ice for analysis, it shall be the duty of said inspector to make an immediate report

thereof in writing to the Board of Health and also to the City Clerk, which reports shall thereupon be recorded and open to public inspection.

Sect. 6. Whoever violates the provisions of either of the first two sections of this ordinance shall be punished by a fine not exceeding twenty dollars for each offence.

[*Approved Jan. 1, 1896.*]

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**An Ordinance in Amendment of an Ordinance Entitled Inspection and Construction of Buildings.**

*Be it ordained by the City Council of the City of Cambridge, as follows: —*

Section 5 of Chapter 13 of the Revised Ordinances of 1892 is hereby amended as follows: —

In the fourth line by striking out the word "may" and inserting in its place the word "shall;" also in the sixth line after the word "shall" by inserting the words "require all such plans and specifications or descriptions to be filed in his office, and after said plans and specifications or descriptions have been so filed he shall;" also in the seventh line by striking out the words "plans and specifications or descriptions" and inserting the word "same" in place thereof.

As amended this section will read as follows: —

THE INSPECTOR OF BUILDINGS.

Sect. 5. In his capacity of Inspector of Buildings, he shall examine all buildings in the course of erection, alteration, or repair, to ascertain if the ordinances of the City are complied with, and he shall require plans and specifications or a description of any proposed erection or alteration of any building, and shall require all such plans and specifications or descriptions to be filed in his office, and after said plans and specifications or descriptions have been so filed he shall grant permits for such erection or alteration when the same are in conformity with the ordinances of the City and the laws of the Commonwealth; he shall enter upon the premises wherein any fire has occurred to ascertain the origin of the fire, keep a correct record of the business of his department, including all violations of the ordinances relating to buildings, and shall submit to the City Council in the month of December of each year a report of his building inspection for the preceding year.

[*Approved Jan. 1, 1896.*]

**An Ordinance in Amendment of Section 34 of Chapter 14 of the Revised Ordinances of 1892.**

*Be it ordained by the City Council of the City of Cambridge, as follows:* —

Section 1. Section 34 of Chapter 14 of the Revised Ordinances is hereby amended by adding after the word "servants" in the tenth line thereof the words "and any and all persons acting by, through or under such person and corporation," so that the first clause of said section as amended shall read as follows: —

Sect. 34. Every corporation and person constructing, maintaining or operating a telegraphic, telephonic or other electrical line in the city, shall execute a bond, with satisfactory surety, in a penal sum of not less than ten thousand dollars and of form satisfactory to the city solicitor, conditioned to indemnify and save harmless the city against all damages, costs, expenses and losses, whatsoever, to which it may be subjected in consequence of the acts and neglect of such person and corporation, their agents, officers and servants and any and all persons acting by, through or under such person and corporation, and in any manner arising from, or growing out of the use and transmission of electricity, the privileges permitted by the city, and the construction, maintenance, operation, and use of lines, wires, cables, conduits, posts, poles, structures, constructions, fixtures and apparatus; and also to fulfil all their agreements with the city, all the orders, conditions and obligations imposed by the Board of Aldermen, and all obligations and duties required by law, and by this chapter and every other ordinance and all additions and amendments relating thereto.

[*Approved Jan. 1, 1896.*]

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**An Ordinance in Amendment of an Ordinance Relating to Fire Limits and to the Construction of Buildings Within certain Districts therein.**

*Be it ordained by the City Council of the City of Cambridge, as follows:* —

Section 1 of an Ordinance relating to Fire Limits and to the construction of buildings within certain districts therein, approved Sept. 25, 1895, is hereby amended by changing the word "district," in

the second line thereof, to the word "districts" and by inserting after the words "hereafter be erected," the following: —

First: Starting from the westerly end of Harvard bridge on Massachusetts avenue and running continuously therefrom on both sides of Massachusetts avenue to Waterhouse street, including Lafayette, Central, Putnam, Quincy and Harvard squares and within the area included between the City building lines wherever established on said Massachusetts avenue and squares and where such building lines are not established, within the area included between the lines of private ownership adjacent to the lines of said Massachusetts avenue and squares and a line distant one hundred feet to the right and left at right angles from each and every point of said building lines and said street lines of private ownership on both sides of said Massachusetts avenue and all sides of said squares between the westerly end of Harvard bridge and said Waterhouse street as aforesaid.

Second: Also by striking out in the twenty-sixth line of said Section 1, after the word "titles," the following words: "Lechmere square and Inman square shall mean the respective areas included within the following boundaries, viz.:" and inserting instead thereof the following words: Lafayette square, Central square, Putnam square, Quincy square, Harvard square, Lechmere square and Inman square shall mean the respective are as included within the following boundaries, viz.: —

LAFAYETTE SQUARE.

Beginning at a point in the northerly line of Main street at its intersection with the easterly line of Columbia street; thence southerly by a line at right angles to said line of Main street 70 feet to its intersection with the southerly line of Main street; thence westerly along the southerly line of Main street about 3 feet to the tangent point of a curve; thence westerly, southerly and easterly along said curve of 18 feet radius about 46.2 feet to its other tangent point in the northeasterly line of Massachusetts avenue; thence southwesterly by a line at right angles to said line of Massachusetts avenue about 91 feet to its intersection with the southwesterly line of Massachusetts avenue; thence northwesterly along said southwesterly line of Massachusetts avenue about 202 feet; thence northeasterly by a line at right angles to the southwesterly line of Massachusetts avenue 103 feet to its intersection with the north-

easterly line of said avenue; thence easterly along the northeasterly line of Massachusetts avenue and the northerly line of Main street about 179 feet to its intersection with the easterly line of Columbia street at the point of beginning.

### CENTRAL SQUARE.

Beginning at a point in the southwesterly line of Massachusetts avenue at its intersection with the southerly line of Western avenue; thence westerly along said southerly line about 124 feet to its intersection with the southeasterly line of Magazine street; thence southwesterly along said southeasterly line of Magazine street about 140 feet to its intersection with the southwesterly line of Green street; thence northwesterly along said southwesterly line of Green street about 227 feet to its intersection with the northerly line of Western avenue; thence easterly along said northerly line of Western avenue about 191 feet to its intersection with the northwesterly line of Central square; thence northeasterly along said northwesterly line of Central square about 191 feet to its intersection with the northeasterly line of Massachusetts avenue; thence southeasterly along said northeasterly line of Massachusetts avenue about 182 feet; thence southwesterly by a line at right angles to the northeasterly line of Massachusetts avenue about 103 feet to its intersection with the southwesterly line of Massachusetts avenue at the point of beginning.

### PUTNAM SQUARE.

Beginning at a point in the southwesterly line of Mt. Auburn street at its intersection with the westerly line of Putnam avenue; thence northerly along said line of Putnam avenue 92 feet to its intersection with the southwesterly line of Massachusetts avenue; thence northeasterly by a line at right angles to said line of Massachusetts avenue 62 feet to its intersection with the northeasterly line of Massachusetts avenue; thence southeasterly along said northeasterly line about 215 feet; thence southwesterly by a line at right angles to the southwesterly line of Massachusetts avenue about 66 feet to its intersection with said southwesterly line; thence along the southwesterly line of Massachusetts avenue and Mt. Auburn street about 190 feet to its intersection with the westerly line of Putnam avenue at the point of beginning.

QUINCY SQUARE.

Beginning at a point in the northeasterly line of Harvard street at its intersection with the easterly line of Quincy street; thence southerly along said line of Quincy street about 211 feet to its intersection with the southwesterly line of Massachusetts avenue; thence northwesterly along said southwesterly line about 300 feet; thence northeasterly by a line at right angles to said southwesterly line about 85 feet to its intersection with the northeasterly line of Harvard street; thence southeasterly along said line of Harvard street about 198 feet to its intersection with the easterly line of Quincy street at the point of beginning.

HARVARD SQUARE.

Beginning at a point in the northwesterly line of Massachusetts avenue at its intersection with the northerly line of Brattle street; thence in a generally northerly direction along said line of Massachusetts avenue about 552 feet; thence northeasterly by a line at right angles to the said line of Massachusetts avenue about 67 feet to its intersection with the northeasterly line of Massachusetts avenue; thence southerly, easterly and northerly by a curved line of 38 feet radius about 100 feet; thence easterly by a line at right angles to the westerly line of Peabody street 66 feet to its intersection with the easterly line of Peabody street; thence southerly along said easterly line about 433 feet; thence southerly and easterly by a curved line of varying radius about 188 feet; thence southwesterly about 88 feet to the intersection of the southwesterly line of Massachusetts avenue with the northeasterly line of Dunster street; thence northwesterly along the southwesterly line of Massachusetts avenue about 218 feet to its intersection with the northwesterly line of Massachusetts avenue; thence northeasterly along said northwesterly line about 40 feet to its intersection with the northerly line of Brattle street at the point of beginning.

So that said Section 1 as amended shall read as follows: —

Section 1. Within the following described districts of the Fire Limits as heretofore established, no buildings other than of the first and second classes shall hereafter be erected.

First: Starting from the westerly end of Harvard bridge on Massachusetts avenue and running continuously therefrom on both sides of Massachusetts avenue to Waterhouse street, including Lafayette, Central, Putnam, Quincy and Harvard squares and

within the area included between the City building lines wherever established on said Massachusetts avenue and squares and where such building lines are not established, within the area included between the lines of private ownership adjacent to the lines of said Massachusetts avenue and squares and a line distant one hundred feet to the right and left at right angles from each and every point of said building lines and said street lines of private ownership on both sides of said Massachusetts avenue and all sides of said squares between the westerly end of Harvard bridge and said Waterhouse street as aforesaid.

Second: Starting from the westerly end of Craigie bridge and running continuously therefrom on both sides of Bridge street to and including Lechmere square and thence running continuously westerly on both sides of Cambridge street to and including Inman square and within the area included between the City building lines wherever established on said Bridge and Cambridge streets and said squares and where building lines are not so established, within the area included between the lines of private ownership adjacent to the lines of said Bridge and Cambridge streets and said squares and a line distant one hundred feet to the right and left at right angles from each and every point of said building lines and said street lines of private ownership on both sides of said Bridge and Cambridge streets and all sides of said squares between the westerly end of Craigie bridge and Inman square as aforesaid.

In this ordinance the titles Lafayette square, Central square, Putnam square, Quincy square, Harvard square, Lechmere square and Inman square shall mean the respective areas included within the following boundaries, viz.: —

LAFAYETTE SQUARE.

Beginning at a point in the northerly line of Main street at its intersection with the easterly line of Columbia street; thence southerly by a line at right angles to said line of Main street 70 feet to its intersection with the southerly line of Main street; thence westerly along the southerly line of Main street about 3 feet to the tangent point of a curve; thence westerly, southerly and easterly along said curve of 18 feet radius about 46.2 feet to its other tangent point in the northeasterly line of Massachusetts avenue; thence southwesterly by a line at right angles to said line of Massachusetts avenue about 91 feet to its intersection with the southwesterly line of Massachusetts avenue; thence northwesterly along

said southwesterly line of Massachusetts avenue about 202 feet; thence northeasterly by a line at right angles to the southwesterly ine of Massachusetts avenue 103 feet to its intersection with the northeasterly line of said avenue; thence easterly along the northeasterly line of Massachusetts avenue and the northerly line of Main street about 179 feet to its intersection with the easterly line of Columbia street at the point of beginning.

CENTRAL SQUARE.

Beginning at a point in the southwesterly line of Massachusetts avenue at its intersection with the southerly line of Western avenue; thence westerly along said southerly line about 124 feet to its intersection with the southeasterly line of Magazine street; thence southwesterly along said southeasterly line of Magazine street about 140 feet to its intersection with the southwesterly line of Green street; thence northwesterly along said southwesterly line of Green street about 227 feet to its intersection with the northerly line of Western avenue; thence easterly along said northerly line of Western avenue about 191 feet to its intersection with the northwesterly line of Central square; thence northeasterly along said northwesterly line of Central square about 191 feet to its intersection with the northeasterly line of Massachusetts avenue; thence southeasterly along said northeasterly line of Massachusetts avenue about 182 feet; thence southwesterly by a line at right angles to the northeasterly line of Massachusetts avenue about 103 feet to its intersection with the southwesterly line of Massachusetts avenue at the point of beginning.

PUTNAM SQUARE.

Beginning at a point in the southwesterly line of Mt. Auburn street at its intersection with the westerly line of Putnam avenue; thence northerly along said line of Putnam avenue 92 feet to its intersection with the southwesterly line of Massachusetts avenue; thence northeasterly by a line at right angles to said line of Massachusetts avenue 62 feet to its intersection with the northeasterly line of Massachusetts avenue; thence southeasterly along said northeasterly line about 215 feet; thence southwesterly by a line at right angles to the southwesterly line of Massachusetts avenue about 66 feet to its intersection with said southwesterly line; thence along the southwesterly line of Massachusetts avenue and Mt. Auburn street about 190 feet to its intersection with the westerly line of Putnam avenue at the point of beginning.

QUINCY SQUARE.

Beginning at a point in the northeasterly line of Harvard street at its intersection with the easterly line of Quincy street; thence southerly along said line of Quincy street about 211 feet to its intersection with the southwesterly line of Massachusetts avenue; thence northwesterly along said southwesterly line about 300 feet; thence northeasterly by a line at right angles to said southwesterly line about 85 feet to its intersection with the northeasterly line of Harvard street; thence southeasterly along said line of Harvard street about 198 feet to its intersection with the easterly line of Quincy street at the point of beginning.

HARVARD SQUARE.

Beginning at a point in the northwesterly line of Massachusetts avenue at its intersection with the northerly line of Brattle street; thence in a generally northerly direction along said line of Massachusetts avenue about 552 feet; thence northeasterly by a line at right angles to the said line of Massachusetts avenue about 67 feet to its intersection with the northeasterly line of Massachusets avenue; thence southerly, easterly and northerly by a curved line of 38 feet radius about 100 feet; thence easterly by a line at right angles to the westerly line of Peabody street 66 feet to its intersection with the easterly line of Peabody street; thence southerly along said easterly line about 433 feet; thence southerly and easterly by a curved line of varying radius about 188 feet; thence southwesterly about 88 feet to the intersection of the southwesterly line of Massachusetts avenue with the northeasterly line of Dunster street; thence northwesterly along the southwesterly line of Massachusetts avenue about 218 feet to its intersection with the northwesterly line of Massachusetts avenue; thence northeasterly along said northwesterly line about 40 feet to its intersection with the northerly line of Brattle street at the point of beginning.

LECHMERE SQUARE.

Beginning at a point in the southerly line of Cambridge street at its intersection with the southwesterly line of Bridge street, thence westerly along said line of Cambridge street about 343 feet to its intersection with the northwesterly line of Lechmere square, thence northeasterly along said northwesterly line of Lechmere square about 219 feet to its intersection with the northeasterly line of Bridge

street; thence southeasterly along said northeasterly line of Bridge street about 318 feet; thence southwesterly by a line at right angles to the northeasterly line of Bridge street about 77 feet to its intersection with the southwesterly line of Bridge street at the point of beginning.

INMAN SQUARE.

Beginning at a point in the southerly line of Cambridge street at its intersection with the northeasterly line of Hampshire street, thence southwesterly by a line at right angles to said line of Hampshire street 66 feet to its intersection with the southwesterly line of Hampshire street; thence northwesterly along said line of Hampshire street about 85 feet to its intersection with the southerly line of Cambridge street; thence westerly along said southerly line of Cambridge street about 121 feet; thence northerly by a line at right angles to said line of Cambridge street 66 feet to its intersection with the northerly line of Cambridge street at the tangent point of a curve; thence easterly and northerly along said curve of 1275 feet radius about 315 feet to its other tangent point in the southwesterly line of Hampshire street; thence by a line at right angles to said line of Hampshire street 66 feet to its intersection with the northeasterly line of Hampshire street; thence southeasterly along said northeasterly line of Hampshire street about 120 feet to its intersection with the northerly line of Cambridge street; thence easterly along said northerly line of Cambridge street 92 feet; thence southwesterly across Cambridge street about 67 feet to the point of beginning.

Section 8 of said ordinance is hereby amended by changing the word "district" in lines one and two to the word "districts," so that said section shall read as follows: —

Sect. 8. Hereafter within the districts described in section one of this ordinance, no building shall be erected or altered and no building damaged by fire or other casualty shall be repaired or restored to its former condition and no work which impairs the strength or increases the fire risk of any wall, structure or building shall be done except upon a permit from the Superintendent of Public Buildings and in conformity with the provisions of this ordinance.

Section 9 of said ordinance is hereby amended by changing the word "district" in the first line thereof to the word "districts," so that said section shall read as follows: —

Sect. 9. Within the aforesaid districts any alterations made in a structure shall conform to the provisions of this ordinance for a

new structure, but if the alteration to be made is of such an extent as when done to practically produce a new structure or impair the stability or increase the fire risk as a whole, then the entire structure shall be made to conform to the provisions of this ordinance for a new structure. A building damaged by fire or other casualty within said districts may be repaired or restored so as to conform to its original condition or may be reconstructed in certain or all of its parts so as to conform to the requirements of this ordinance for new buildings as the Superintendent of Public Buildings may specify in his permit.

Said ordinance as amended shall read as follows :—

**An Ordinance Relating to Fire Limits and to the Construction of Buildings Within Certain Districts Therein.**

*Be it ordained by the City Council of the City of Cambridge, as follows : —*

Section 1. Within the following described districts of the Fire Limits as heretofore established no buildings other than of the first and second classes shall hereafter be erected.

First : Starting from the westerly end of Harvard bridge on Massachusetts avenue and running continuously therefrom on both sides of Massachusetts avenue to Waterhouse street, including Lafayette, Central, Putnam, Quincy and Harvard squares and within the area included between the City building lines wherever established on said Massachusetts avenue and squares and where such building lines are not established within the area included between the lines of private ownership adjacent to the lines of said Massachusetts avenue and squares and a line distant one hundred feet to the right and left at right angles from each and every point of said building lines and said street lines of private ownership on both sides of said Massachusetts avenue and all sides of said squares between the westerly end of Harvard bridge and said Waterhouse street as aforesaid.

Second : Starting from the westerly end of Craigie bridge and running continuously therefrom on both sides of Bridge street to and including Lechmere square and thence running continuously westerly on both sides of Cambridge street to and including Inman square and within the area included between the city building lines wherever established on said Bridge and Cambridge streets and said squares and where building lines are not so established, within the area included between the lines of private ownership adjacent to the

lines of said Bridge and Cambridge streets and said squares and a line distant one hundred feet to the right and left at right angles from each and every point of said building lines and said street lines of private ownership on both sides of said Bridge and Cambridge streets and all sides of said squares between the westerly end of Craigie bridge and Inman square as aforesaid.

In this ordinance the titles Lafayette square, Central square, Putnam square, Quincy square, Harvard square, Lechmere square and Inman square shall mean the respective areas included within the following boundaries, viz. : —

LAFAYETTE SQUARE.

Beginning at a point in the northerly line of Main street at its intersection with the easterly line of Columbia street; thence southerly by a line at right angles to said line of Main street 70 feet to its intersection with the southerly line of Main street; thence westerly along the southerly line of Main street about 3 feet to the tangent point of a curve; thence westerly, southerly and easterly along said curve of 18 feet radius about 46.2 feet to its other tangent point in the northeasterly line of Massachusetts avenue; thence southwesterly by a line at right angles to said line of Massachusetts avenue about 91 feet to its intersection with the southwesterly line of Massachusetts avenue; thence northwesterly along said southwesterly line of Massachusetts avenue about 202 feet; thence northeasterly by a line at right angles to the southwesterly line of Massachusetts avenue 103 feet to its intersection with the northeasterly line of said avenue; thence easterly along the northeasterly line of Massachusetts avenue and the northerly line of Main street about 179 feet to its intersection with the easterly line of Columbia street at the point of beginning.

CENTRAL SQUARE.

Beginning at a point in the southwesterly line of Massachusetts avenue at its intersection with the southerly line of Western avenue; thence westerly along said southerly line about 124 feet to its intersection with the southeasterly line of Magazine street; thence southwesterly along said southeasterly line of Magazine street about 140 feet to its intersection with the southwesterly line of Green street; thence northwesterly along said southwesterly line of Green street about 227 feet to its intersection with the northerly line of Western avenue; thence easterly along said northerly line

of Western avenue about 191 feet to its intersection with the northwesterly line of Central square; thence northeasterly along said northwesterly line of Central square about 191 feet to its intersection with the northeasterly line of Massachusetts avenue; thence southeasterly along said northeasterly line of Massachusetts avenue about 182 feet; thence southwesterly by a line at right angles to the northeasterly line of Massachusetts avenue about 103 feet to its intersection with the southwesterly line of Massachusetts avenue at the point of beginning.

PUTNAM SQUARE.

Beginning at a point in the southwesterly line of Mt. Auburn street at its intersection with the westerly line of Putnam avenue; thence northerly along said line of Putnam avenue 92 feet to its intersection with the southwesterly line of Massachusetts avenue; thence northeasterly by a line at right angles to said line of Massachusetts avenue 62 feet to its intersection with the northeasterly line of Massachusetts avenue; thence southeasterly along said northeasterly line about 215 feet; thence southwesterly by a line at right angles to the southwesterly line of Massachusetts avenue about 66 feet to its intersection with said southwesterly line; thence along the southwesterly line of Massachusetts avenue and Mt. Auburn street about 190 feet to its intersection with the westerly line of Putnam avenue at the point of beginning.

QUINCY SQUARE.

Beginning at a point in the northeasterly line of Harvard street at its intersection with the easterly line of Quincy street; thence southerly along said line of Quincy street about 211 feet to its intersection with the southwesterly line of Massachusetts avenue; thence northwesterly along said southwesterly line about 300 feet; thence northeasterly by a line at right angles to said southwesterly line about 85 feet to its intersection with the northeasterly line of Harvard street; thence southeasterly along said line of Harvard street about 198 feet to its intersection with the easterly line of Quincy street at the point of beginning.

HARVARD SQUARE.

Beginning at a point in the northwesterly line of Massachusetts avenue at its intersection with the northerly line of Brattle street; thence in a generally northerly direction along said line of Massa-

chusetts avenue about 552 feet; thence northeasterly by a line at right angles to the said line of Massachusetts avenue about 67 feet to its intersection with the northeasterly line of Massachusetts avenue; thence southerly, easterly and northerly by a curved line of 38 feet radius about 100 feet; thence easterly by a line at right angles to the westerly line of Peabody street 66 feet to its intersection with the easterly line of Peabody street; thence southerly along said easterly line about 433 feet; thence southerly and easterly by a curved line of varying radius about 188 feet; thence southwesterly about 88 feet to the intersection of the southwesterly line of Massachusetts avenue with the northeasterly line of Dunster street; thence northwesterly along the southwesterly line of Massachusetts avenue about 218 feet to its intersection with the northwesterly line of Massachusetts avenue; thence northeasterly along said northwesterly line about 40 feet to its intersection with the northerly line of Brattle street at the point of beginning.

LECHMERE SQUARE.

Beginning at a point in the southerly line of Cambridge street at its intersection with the southwesterly line of Bridge street; thence westerly along said line of Cambridge street about 343 feet to its intersection with the northwesterly line of Lechmere square; thence northeasterly along said northwesterly line of Lechmere square about 219 feet to its intersection with the northeasterly line of Bridge street; thence southeasterly along said northeasterly line of Bridge street about 318 feet; thence southwesterly by a line at right angles to the northeasterly line of Bridge street about 77 feet to its intersecton with the southwesterly line of Bridge street at the point of beginning.

INMAN SQUARE.

Beginning at a point in the southerly line of Cambridge street at its intersection with the northeasterly line of Hampshire street, thence southwesterly by a line at right angles to said line of Hampshire street 66 feet to its intersection with the southwesterly line of Hampshire street; thence northwesterly along said line of Hampshire street about 85 feet to its intersection with the southerly line of Cambridge street; thence westerly along said southerly line of Cambridge street about 121 feet; thence northerly by a line at right angles to said line of Cambridge street 66 feet to its intersection with the northerly line of Cambridge street at the tangent point of a curve;

thence easterly and northerly along said curve of 1275 feet radius about 315 feet to its other tangent point in the southwesterly line of Hampshire street; thence by a line at right angles to said line of Hampshire street 66 feet to its intersection with the northeasterly line of Hampshire street; thence southeasterly along said northeasterly line of Hampshire street about 120 feet to its intersection with the northerly line of Cambridge street; thence easterly along said northerly line of Cambridge street 92 feet; thence southwesterly across Cambridge street about 67 feet to the point of beginning.

Sect. 2. In this ordinance the phrase "building of the first class" shall mean a building of fireproof construction throughout; and the phrase "building of the second class" shall mean a building not of the first class, the external and party walls of which are of brick, stone, iron or other equally substantial and incombustible material.

Sect. 3. The external and party walls of all dwellings of the first and second classes shall be as follows: — twenty feet by forty feet, twelve feet high, not less than eight inches; twelve feet to sixty feet high, twelve inches; sixty feet to seventy feet high, sixteen inches to second floor, twelve inches above; seventy feet to eighty feet high, twenty inches to second floor, sixteen inches to upper floor, and twelve inches above; all walls of dwellings of eighty feet or more in height shall have for the upper eighty feet, the thickness required for buildings between seventy and eighty feet in height, and every section of twenty-five feet thereof below such upper eighty feet shall have a thickness of four inches more than is required for the section next above it.

Sect. 4. The external and party walls of all buildings of the first and second classes other than dwellings shall be as follows: — above the foundations of every such building, forty feet or less in height shall be sixteen inches thick to the top of the second floor and twelve inches for the remaining height. Such walls of such buildings of forty feet or over but not over sixty feet in height, twenty inches to the top of the second floor, sixteen inches for the remaining height. Such walls of such buildings of sixty feet or over but not over eighty feet high, twenty-four inches to the top of the first floor, twenty inches to the top of the upper floor, and to within fifteen feet of the roof, and sixteen inches above. Such walls of such buildings of eighty feet or more in height shall have for the upper eighty feet the thickness required for buildings between

seventy feet and eighty feet in height and every section of twenty-five feet or part thereof below such upper eighty feet shall have a thickness of four inches more than is required for the section next above it.

SECT. 5. Vaulted walls shall contain, exclusive of withes, the same amount of material as is required for solid walls, and the walls on either side of the air space in a wall carrying a floor shall be not less than eight inches thick and shall be securely tied together with ties not more than two feet apart.

SECT. 6. External walls may with the consent of the Superintendent of Public Buildings be built in part of iron or steel and when so built may be of less thickness than as above required for external walls, provided such walls meet the requirements of this ordinance as to strength and provided that all constructional parts are wholly protected from heat by brick or terra cotta or by plastering three quarters of an inch thick with iron furring and wiring.

SECT. 7. No wooden building shall be moved from place to place on the same lot or from one lot to another within the districts described in section one of this ordinance or from without said districts into either of the same, except upon a permit from the Superintendent of Public Buildings.

SECT. 8. Hereafter within the districts described in section one of this ordinance no building shall be erected or altered, and no building damaged by fire or other casualty shall be repaired or restored to its former condition, and no work which impairs the strength or increases the fire risk of any wall, structure or building shall be done, except upon a permit from the Superintendent of Public Buildings and in conformity with the provisions of this ordinance.

SECT. 9. Within the aforesaid districts any alterations made in a structure shall conform to the provisions of this ordinance for a new structure, but if the alteration to be made is of such an extent as when done to practically produce a new structure or impair the stability or increase the fire risk as a whole, then the entire structure shall be made to conform to the provisions of this ordinance for a new structure. A building damaged by fire or other casualty within said districts may be repaired or restored so as to conform to its original condition or may be reconstructed in certain or all of its parts so as to conform to the requirements of this ordinance for new

buildings as the Superintendent of Public Buildings may specify in his permit.

SECT. 10. Sections 18, 19 and 22 of Chapter 13 of the Revised Ordinances, in so far as they are inconsistent with this ordinance, are hereby repealed.

SECT. 11. Any person or corporation violating any provision of this ordinance shall be punished by a fine not exceeding one hundred dollars for each offence.

[*Approved Oct. 9, 1895.*]

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**An Ordinance in Further Amendment of an Ordinance Relating to Fire Limits and to the Construction of Buildings Within certain Districts therein.**

*Be it ordained by the City Council of the City of Cambridge, as follows: —*

Section 1 of an Ordinance relating to Fire Limits and the Construction of Buildings within certain districts therein, approved Sept. 25, 1895, is hereby further amended by striking out after the words "section one" the first paragraph of said section one as previously amended and inserting instead thereof the following: "within the following described districts of the Fire Limits as heretofore established no buildings other than of the first, second, and third classes shall hereafter be erected;" also at the end of the fourth paragraph after the word "aforesaid" by inserting the following: —

Fourth: All that territory which lies south and west and is bounded northerly and easterly by the First Fire District above described and is included on all its other sides within and is bounded westerly and southerly by the following lines: Commencing at a point in the westerly limit of said First Fire District one hundred feet northerly from the northerly line of Church street, thence running continuously southwesterly and southerly on a line distant one hundred feet at right angles from each and every point of the northerly or westerly line of said Church street to Brattle street, and thence across said Brattle street at right angles therewith and then continuing in the same line to a point on property of private persons distant one hundred feet southerly from the southerly line of Brattle Street; thence running easterly continuously on a line distant one hundred feet at right angles from each and every point

of the southerly line of said Brattle street across Brattle Square to the intersection of the southerly line of Mount Auburn street with said Brattle square; thence northeasterly continuously along and bounded by the southerly line of Mount Auburn street to Putnam square and the southerly boundary line of the First Fire District above mentioned.

Fifth: Commencing at the intersection of the southerly line of Broadway with the westerly line of Sixth street and running continuously westerly therefrom on the southerly side of Broadway to Clark street and within the area included between the lines of private ownership adjacent to the southerly line of said Broadway and a line distant one hundred feet to the left at right angles from each and every point of said street lines of private ownership on the southerly side of Broadway between said Sixth street and said Clark street.

Sixth: All that territory which is included between the following lines: Commencing at the intersection of the westerly line of Third street with the southerly line of Broad canal, thence running continuously northwesterly along and bounded by the southerly line of said Broad canal and the division line between Wards Two and Three to the southerly line of Potter street; thence running continuously westerly along and bounded by the southerly line of said Potter street to the easterly line of Portland street; thence running continuously southerly along and bounded by said easterly line of Portland street to the northerly line of Broadway; thence running continuously easterly along across Mechanics' square and bounded by the northerly line of said Mechanics' square and said Broadway to the westerly line of said Third street; thence running continuously northerly along and bounded by the westerly line of said Third street to the point of beginning.

Seventh: All that territory which lies south and is bounded northerly by the Second Fire District above described and is included on all its other sides within and is bounded easterly, southerly and westerly by the following lines: Commencing at a point in the southerly limit of said Second Fire District on the westerly side of First street one hundred feet southerly from the southerly line of Cambridge street; thence running continuously southerly along and bounded by said westerly line of First street to the northerly line of Spring Street; thence running continuously westerly along and bounded by said northerly line of said Spring street across said

Third Street to a point distant one hundred feet westerly from the westerly line of said Third street; thence running northerly continuously therefrom on a line distant one hundred feet to the left at right angles from each and every point of the street lines of private ownership on said westerly side of Third Street to the southerly line of Cambridge street and the Second Fire District above described.

Eighth: Starting from the westerly side of the location of the Fitchburg Railroad Company on Massachusetts avenue and running westerly continuously therefrom on both sides of Massachusetts avenue to Rindge avenue and within the area included between the lines of said Massachusetts avenue and a line distant one hundred feet to the right and left at right angles from each and every point of said street lines of private ownership on both sides of said Massachusetts avenue between the westerly side of said railroad location and said Rindge avenue as aforesaid.

Said ordinance as previously amended is hereby further amended by striking out Section 2 and inserting instead thereof as said Section 2 the following: —

Sect. 2. In this ordinance a building of the first class shall mean and be a building of fireproof construction throughout; a building of the second class shall mean and be a building not of the first class, the external and party walls of which shall be of brick, stone, iron or other equally substantial and incombustible material; and a building of the third class shall mean and include only the following structures: wharves, sheds on wharves not exceeding twenty-five feet in height; sheds not exceeding twenty-five feet in height to be used and occupied solely for market purposes; temporary structures not exceeding twenty-five feet in height erected and used solely to facilitate the erection of other authorized buildings and structures; grain or coal elevators; and buildings to be used and occupied solely for the storage of coal and grain; all the external parts of all the aforesaid structures included in the third class of buildings shall be covered with slate, tile metal or other equally incombustible material, and the mode of construction and location of all such structures shall be subject to and conditional upon the approval of the Superintendent of Public Buildings.

Said ordinance as previously amended is hereby further amended in the eighth section by inserting after the word "ordinance" in the second and third lines thereof the words "except as is herein-

after provided:" also by adding to said Section 8 the following proviso: —

Provided, however, that any wooden building within said district may be altered or repaired in any manner as may be approved by the Superintendent of Public Buildings except that the area or height of the same shall not thereby be increased.

Said ordinance as previously amended is hereby further amended by inserting after the word "district" in the first line in the ninth section thereof the words "except as is otherwise provided in Section 8 of this ordinance:" also by entitling Section 11 as Section 12, and inserting as Section 11 the following: —

Sect. 11. Every brick building hereafter erected more than thirty feet in width, except public buildings, dormitories of the first class, hotels, railroad stations and stables, shall have one or more brick or stone partition walls running from front to rear and carried up the full height of the building; said walls may be four inches less in thickness than is called for by the provision hereinbefore made relating to the thickness of external walls for a brick building, unless the wall is used for a floor-bearing wall, in which case said wall shall be of the same thickness as is hereinbefore required for external walls of brick buildings. These walls shall be so located that the space between any two of the floor-bearing walls of the building shall be not over twenty-five feet.

So that said ordinance as hereby further amended shall read as follows: —

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**An Ordinance in Further Amendment of an Ordinance Relating to Fire Limits and to the Construction of Buildings Within Certain Districts Therein.**

*Be it ordained by the City Council of the City of Cambridge, as follows: —*

Section 1. Within the following described districts of the Fire Limits as heretofore established no buildings other than of the first, second, and third classes shall hereafter be erected.

First: Starting from the westerly end of Harvard bridge on Massachusetts avenue and running continuously therefrom on both sides of Massachusetts avenue to Waterhouse street, including Lafayette, Central, Putnam, Quincy and Harvard squares and within the area included between the City building lines wherever established on said Massachusetts avenue and squares and where such building lines are not established, within the area included between

the lines of private ownership adjacent to the lines of said Massachusetts avenue and squares and a line distant one hundred feet to the right and left at right angles from each and every point of said building lines and said street lines of private ownership on both sides of said Massachusetts avenue and all sides of said squares between the westerly end of Harvard bridge and said Waterhouse street as aforesaid.

Second: Starting from the westerly end of Craigie bridge and running continuously therefrom on both sides of Bridge street to and including Lechmere square and thence running continuously westerly on both sides of Cambridge street to and including Inman square and within the area included between the city building lines wherever established on said Bridge and Cambridge streets and said squares and where building lines are not so established, within the area included between the lines of private ownership adjacent to the lines of said Bridge and Cambridge streets and said squares and a line distant one hundred feet to the right and left at right angles from each and every point of said building lines and said street lines of private ownership on both sides of said Bridge and Cambridge streets and all sides of said squares between the westerly end of Craigie bridge and Inman square as aforesaid.

Third: Starting from the Harbor Commissioners' line on the westerly side of Charles River on the westerly end of West Boston bridge, and running continuously on both sides of Main street to and including Kendall square and Smith square, and thence running continuously westerly on both sides of said Main street to its intersection with Massachusetts avenue at Lafayette square and within the area included between the City building lines wherever established in said Main street and said squares and where building lines are not so established within the area included between the lines of private ownership adjacent to the lines of said Main street and said squares and a line distant one hundred feet to the right and left at right angles from each and every point of said building lines and said street lines of private ownership on both sides of said Main street and all sides of said squares from the Harbor Commissioners' line on the westerly end of West Boston bridge to Lafayette square as aforesaid.

Fourth: All that territory which lies south and west and is bounded northerly and easterly by the First Fire District above described and is included on all its other sides within and is bounded

westerly and southerly by the following lines: Commencing at a point in the westerly limit of said First Fire District one hundred feet northerly from the northerly line of Church street; thence running continuously southwesterly and southerly on a line distant one hundred feet at right angles from each and every point of the northerly or westerly line of said Church street to Brattle street, and thence across said Brattle street at right angles therewith and then continuing in the same line to a point on property of private persons distant one hundred feet southerly from the southerly line of Brattle street; thence running easterly continuously on a line distant one hundred feet at right angles from each and every point of the southerly line of said Brattle street across Brattle square to the intersection of the southerly line of Mt. Auburn street with said Brattle square; thence northeasterly continuously along and bounded by the southerly line of Mt. Auburn street to Putnam square and the southerly boundary line of the First Fire District above mentioned.

Fifth: Commencing at the intersection of the southerly line of Broadway with the westerly line of Sixth street and running continuously westerly therefrom on the southerly side of Broadway to Clark street and within the area included between the lines of private ownership adjecent to the southerly line of said Broadway and a line distant one hundred feet to the left at right angles from each and every point of said street lines of private ownership on the southerly side of Broadway between said Sixth street and said Clark street.

Sixth: All that territory which is included between the following lines:—Commencing at the intersection of the westerly line of Third street with the southerly line of Broad Canal, thence running continuously northwesterly along and bounded by the southerly line of said Broad Canal and the division line between Wards Two and Three to the southerly line of Potter street; thence running continuously westerly along and bounded by the southerly line of said Potter street to the easterly line of Portland street; thence running continuously southerly along and bounded by said easterly line of Portland street to the northerly line of Broadway; thence running continuously easterly along across Mechanics' square and bounded by the northerly line of said Mechanics' square and said Broadway to the westerly line of said Third street; thence running continuously northerly along and bounded by the westerly line of said Third street to the point of beginning.

Seventh: All that territory which lies south and is bounded northerly by the Second Fire District above described and is included on all its other sides within and is bounded easterly, southerly and westerly by the following lines:—Commencing at a point in the southerly limit of said Second Fire District on the westerly side of First street one hundred feet southerly from the southerly line of Cambridge street; thence running continuously southerly along and bounded by said westerly line of First street to the northerly line of Spring street; thence running continuously westerly along and bounded by said northerly line of said Spring street across said Third street to a point distant one hundred feet westerly from the westerly line of said Third street; thence running northerly continuously therefrom on a line distant one hundred feet to the left at right angles from each and every point of the street lines of private ownership on said westerly side of Third street to the southerly line of Cambridge street and the Second Fire District above described.

Eighth: Starting from the westerly side of the location of the Fitchburg Railroad Company on Massachusetts avenue and running westerly continuously therefrom on both sides of Massachusetts avenue to Rindge avenue and within the area included between the lines of said Massachusetts avenue and a line distant one hundred feet to the right and left at right angles from each and every point of said street lines of private ownership on both sides of said Massachusetts avenue between the westerly side of said railroad location and said Rindge avenue as aforesaid.

In this ordinance the titles Lafayette square, Central square, Putnam square, Quincy square, Harvard square, Lechmere square, Inman square, Kendall square and Smith square shall mean the respective areas included within the following boundaries, viz.:—

LAFAYETTE SQUARE.

Beginning at a point in the northerly line of Main street at its intersection with the easterly line of Columbia street; thence southerly by a line at right angles to said line of Main street 70 feet to its intersection with the southerly line of Main street; thence westerly along the southerly line of Main street about 3 feet to the tangent point of a curve; thence westerly, southerly and easterly along said curve of 18 feet radius about 46.2 feet to its other tangent point in the northeasterly line of Massachusetts avenue; thence southwesterly by a line at right angles to said line of Massachusetts avenue about 91 feet to its intersection with the southwesterly line of Massachu-

setts avenue; thence northwesterly along said southwesterly line of Massachusetts Avenue about 202 feet; thence northeasterly by a line at right angles to the southwesterly line of Massachusetts avenue 103 feet to its intersection with the northeasterly line of said avenue; thence easterly along the northeasterly line of Massachusetts avenue and the northerly line of Main Street about 179 feet to its intersection with the easterly line of Columbia street at the point of beginning.

CENTRAL SQUARE.

Beginning at a point in the southwesterly line of Massachusetts avenue at its intersection with the southerly line of Western avenue; thence westerly along said southerly line about 124 feet to its intersection with the southeasterly line of Magazine street; thence southwesterly along said southeasterly line of Magazine street about 140 feet to its intersection with the southwesterly line of Green street; thence northwesterly along said southwesterly line of Green street about 227 feet to its intersection with the northerly line of Western avenue; thence easterly along said northerly line of Western avenue about 191 feet to its intersection with the northwesterly line of Central square; thence northeasterly along said northwesterly line of Central square about 191 feet to its intersection with the northeasterly line of Massachusetts avenue; thence southeasterly along said northeasterly line of Massachusetts avenue about 182 feet; thence southwesterly by a line at right angles to the northeasterly line of Massachusetts avenue about 103 feet to its intersection with the southwesterly line of Massachusetts avenue at the point of beginning.

PUTNAM SQUARE.

Beginning at a point in the southwesterly line of Mt. Auburn street at its intersection with the westerly line of Putnam avenue; thence northerly along said line of Putnam avenue 92 feet to its intersection with the southwesterly line of Massachusetts avenue; thence northeasterly by a line at right angles to said line of Massachusetts avenue 62 feet to its intersection with the northeasterly line of Massachusetts avenue; thence southeasterly along said northeasterly line about 215 feet; thence southwesterly by a line at right angles to the southwesterly line of Massachusetts avenue about 66 feet to its intersection with said southwesterly line; thence along the

southwesterly line of Massachusetts avenue and Mt. Auburn street about 190 feet to its intersection with the westerly line of Putnam avenue at the point of beginning.

QUINCY SQUARE.

Beginning at a point in the northeasterly line of Harvard street at its intersection with the easterly line of Quincy street; thence southerly along said line of Quincy street about 211 feet to its intersection with the southwesterly line of Massachusetts avenue; thence northwesterly along said southwesterly line about 300 feet; thence northeasterly by a line at right angles to said southwesterly line about 85 feet to its intersection with the northeasterly line of Harvard street; thence southeasterly along said line of Harvard street about 198 feet to its intersection with the easterly line of Quincy street at the point of beginning.

HARVARD SQUARE.

Beginning at a point in the northwesterly line of Massachusetts avenue at its intersection with the northerly line of Brattle street; thence in a generally northerly direction along said line of Massachusetts avenue about 552 feet; thence northeasterly by a line at right angles to the said line of Massachusetts avenue about 67 feet to its intersection with the northeasterly line of Massachusetts avenue; thence southerly, easterly and northerly by a curved line of 38 feet radius about 100 feet; thence easterly by a line at right angles to the westerly line of Peabody street 66 feet to its intersection with the easterly line of Peabody street; thence southerly along said easterly line about 433 feet; thence southerly and easterly by a curved line of varying radius about 188 feet; thence southwesterly about 88 feet to the intersection of the southwesterly line of Massachusetts avenue with the northeasterly line of Dunster street; thence northwesterly along the southwesterly line of Massachusetts avenue about 218 feet to its intersection with the northwesterly line of Massachusetts avenue; thence northeasterly along said northwesterly line about 40 feet to its intersection with the northerly line of Brattle street at the point of beginning.

LECHMERE SQUARE.

Beginning at a point in the southerly line of Cambridge street at its intersection with the southwesterly line of Bridge street, thence westerly along said line of Cambridge street about 343 feet to its intersection with the northwesterly line of Lechmere square; thence

northeasterly along said northwesterly line of Lechmere square about 219 feet to its intersection with the northeasterly line of Bridge street; thence southeasterly along said northeasterly line of Bridge street about 318 feet; thence southwesterly by a line at right angles to the northeasterly line of Bridge street about 77 feet to its intersection with the southwesterly line of Bridge street at the point of beginning.

INMAN SQUARE.

Beginning at a point in the southerly line of Cambridge street at its intersection with the northeasterly line of Hampshire street, thence southwesterly by a line at right angles to said line of Hampshire street 66 feet to its intersection with the southwesterly line of Hampshire street; thence northwesterly along said line of Hampshire street about 85 feet to its intersection with the southerly line of Cambridge street; thence westerly along said southerly line of Cambridge street about 121 feet; thence northerly by a line at right angles to said line of Cambridge street 66 feet to its intersection with the northerly line of Cambridge street at the tangent point of a curve; thence easterly and northerly along said curve of 1275 feet radius about 315 feet to its other tangent point in the southwesterly line of Hampshire street; thence by a line at right angles to said line of Hampshire street 66 feet to its intersection with the northeasterly line of Hampshire street; thence southeasterly along said northeasterly line of Hampshire street about 120 feet to its intersection with the northerly line of Cambridge street; thence easterly along said northerly line of Cambridge street 92 feet; thence southwesterly across Cambridge street about 67 feet to the point of beginning.

KENDALL SQUARE.

Beginning at a point in the northeasterly line of Broadway at its intersection with the northwesterly line of Third street, thence southeasterly along said line of Broadway about 318 feet to its intersection with the northerly line of Main street; thence by a line at right angles to said northerly line of Main street 70 feet to its intersection with the southerly line of Main street; thence westerly along said southerly line of Main street about 380 feet to its intersection with the northwesterly line of Third street produced and extended southerly; thence northeasterly along said extension and northwesterly line of Third street about 218 feet to its intersection with the northeasterly line of Broadway at the point of beginning.

SMITH SQUARE.

Beginning at a point in the northeasterly line of Harvard street at its intersection with the northwesterly line of Sixth street, thence southeasterly along said line of Harvard street about 224 feet to its intersection with the northerly line of Main street; thence southerly by a line at right angles to said line of Main street 70 feet to its intersection with the southerly line of Main street; thence westerly along said southerly line about 223 feet; thence northerly by a line at right angles to said southerly line about 120 feet to its intersection with the southwesterly line of Harvard street; thence northeasterly by a line at right angles to said southwesterly line of Harvard street 50 feet to its intersection with the northeasterly line of Harvard street at the point of beginning.

Sect. 2. In this ordinance a building of the first class shall mean and be a building of fireproof construction throughout; a building of the second class shall mean and be a building not of the first class, the external and party walls of which shall be of brick, stone, iron or other equally substantial and incombustible material; and a building of the third class shall mean and include only the following structures: wharves, sheds on wharves not exceeding twenty-five feet in height; sheds not exceeding twenty-five feet in height to be used and occupied solely for market purposes; temporary structures not exceeding twenty-five feet in height erected and used solely to facilitate the erection of other authorized buildings and structures; grain and coal elevators; and buildings to be used and occupied solely for the storage of coal and grain; all the external parts of all the aforesaid structures included in the third class of buildings shall be covered with slate, tile metal or other equally incombustible material, and the mode of construction and location of all such structures shall be subject to and conditional upon the approval of the Superintendent of Public Buildings.

Sect. 3. The external and party walls of all dwellings of the first and second classes shall be as follows: — twenty feet by forty feet, twelve feet high, not less than eight inches; twelve feet to sixty feet high, twelve inches; sixty feet to seventy feet high, sixteen inches to second floor, twelve inches above; seventy feet to eighty feet high, twenty inches to second floor, sixteen inches to upper floor, and twelve inches above; all walls of dwellings of eighty feet or more in height shall have for the upper eighty feet, the thickness required for buildings between seventy and eighty feet

in height, and every section of twenty-five feet thereof below such upper eighty feet shall have a thickness of four inches more than is required for the section next above it.

Sect. 4. The external and party walls of all buildings of the first and second classes other than dwellings shall be as follows: — above the foundations of every such building, forty feet or less in height, shall be sixteen inches thick to the top of the second floor and twelve inches for the remaining height. Such walls of such buildings of forty feet or over but not over sixty feet in height, twenty inches to the top of the second floor, sixteen inches for the remaining height. Such walls of such buildings of sixty feet or over but not over eighty feet high, twenty-four inches to the top of the first floor, twenty inches to the top of the upper floor, and to within fifteen feet of the roof, and sixteen inches above. Such walls of such buildings of eighty feet or more in height shall have for the upper eighty feet the thickness required for buildings between seventy feet and eighty feet in height, and every section of twenty-five feet or part thereof below such upper eighty feet shall have a thickness of four inches more than is required for the section next above it.

Sect. 5. Vaulted walls shall contain, exclusive of withes, the same amount of material as is required for solid walls, and the walls on either side of the air space in a wall carrying a floor shall be not less than eight inches thick and shall be securely tied together with ties not more than two feet apart.

Sect. 6. External walls may with the consent of the Superintendent of Public Buildings be built in part of iron or steel and when so built may be of less thickness than as above required for external walls, provided such walls meet the requirements of this ordinance as to strength, and provided that all constructional parts are wholly protected from heat by brick or terra cotta or by plastering three quarters of an inch thick with iron furring and wiring.

Sect. 7. No wooden building shall be moved from place to place on the same lot or from one lot to another within the districts described in section one of this ordinance or from without said districts into either of the same, except upon a permit from the Superintendent of Public Buildings.

Sect. 8. Hereafter within the districts described in section one of this ordinance, except as is hereinafter provided, no building shall be erected or altered, and no building damaged by fire or other casualty shall be repaired or restored to its former condition, and no

work which impairs the strength or increases the fire risk of any wall, structure or building shall be done, except upon a permit from the Superintendent of Public Buildings and in conformity with the provisions of this ordinance.

Provided, however, that any wooden building within said districts may be altered or repaired in any manner as may be approved by the Superintendent of Public Buildings, except that the area or height of the same shall not thereby be increased.

SECT. 9. Within the aforesaid districts, except as is otherwise provided in section eight of this ordinance, any alterations made in a structure shall conform to the provisions of this ordinance for a new structure, but if the alteration to be made is of such an extent as when done to practically produce a new structure or impair the stability or increase the fire risk as a whole, then the entire structure shall be made to conform to the provisions of this ordinance for a new structure. A building damaged by fire or other casualty within said districts may be repaired or restored so as to conform to its original condition or may be reconstructed in certain or all of its parts so as to conform to the requirements of this ordinance for new buildings, as the Superintendent of Public Buildings may specify in his permit.

SECT. 10. Sections 18, 19 and 22 of Chapter 13 of the Revised Ordinances, in so far as they are inconsistent with this ordinance, are hereby repealed.

SECT. 11. Every brick building hereafter erected more than thirty feet in width, except public buildings, dormitories of the first class, hotels, railroad stations and stables, shall have one or more brick or stone partition walls running from front to rear and carried up the full height of the building; said walls may be four inches less in thickness than is called for by the provision hereinbefore made relating to the thickness of external walls for a brick building, unless the wall is used for a floor-bearing wall, in which case said walls shall be of the same thickness as is hereinbefore required for external walls of brick buildings. These walls shall be so located that the space between any two of the floor-bearing walls of the building shall be not over twenty-five feet.

SECT. 12. Any person or corporation violating any provision of this ordinance shall be punished by a fine not exceeding one hundred dollars for each offence.

[*Approved Jan. 2, 1896.*]

**An Ordinance in Amendment of an Ordinance Entitled Duties and Salaries.**

*Be it ordained by the City Council of the City of Cambridge, as follows: —*

Section 30 of Chapter 27 of the Revised Ordinances of 1892, in the line relating to the salary of the Sealer of Weights and Measures, as amended March 28, 1894, is hereby further amended by striking out the figures $900.00 and inserting in place thereof the figures $1,000.00.

As amended the line will read as follows: —

| | |
|---|---|
| Sealer of Weights and Measures . . . . . | $1,000 00 |

# MAYORS OF THE CITY OF CAMBRIDGE

From 1846 to 1896

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| | | | | |
|---|---|---|---|---|
| James D. Green . . . | from May, | 1846, | to April, | 1848 |
| Sidney Willard . . . | " April, | 1848, | to April, | 1851 |
| George Stevens . . . | " April, | 1851, | to April, | 1853 |
| James D. Green . . . | " April, | 1853, | to April, | 1854 |
| *Abraham Edwards . . | " April, | 1854, | to January, | 1855 |
| Zebina L. Raymond . . | " January, | 1855, | to January, | 1856 |
| John Sargent . . . . | " January, | 1856, | to January, | 1860 |
| †James D. Green . . . | " January, | 1860, | to July 24, | 1861 |
| ‡Chas. Theo. Russell . | " July 31, | 1861, | to January, | 1863 |
| George C. Richardson . | " January, | 1863, | to January, | 1864 |
| Zebina L. Raymond . . | " January, | 1864, | to January, | 1865 |
| J. Warren Merrill . . | " January, | 1865, | to January, | 1867 |
| Ezra Parmenter . . . | " January, | 1867, | to January, | 1868 |
| Chas. H. Saunders . . | " January, | 1868, | to January, | 1870 |
| Hamlin R. Harding . . | " January, | 1870, | to January, | 1872 |
| Henry O. Houghton . . | " January, | 1872, | to January, | 1873 |
| Isaac Bradford . . . | " January, | 1873, | to January, | 1877 |
| Frank A. Allen . . . | " January, | 1877, | to January, | 1878 |
| Samuel L. Montague . . | " January, | 1878, | to January, | 1880 |
| James M. W. Hall . . | " January, | 1880, | to January, | 1881 |
| James A. Fox . . . . | " January, | 1881, | to January, | 1885 |
| William E. Russell . . | " January, | 1885, | to January, | 1889 |
| Henry H. Gilmore . . | " January, | 1889, | to January, | 1891 |
| Alpheus B. Alger . . | " January, | 1891, | to January, | 1893 |
| William A. Bancroft . | " January, | 1893. | Now in office. | |

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* Municipal year changed. † Resigned. ‡ First elected by the City Council.

# PRESIDENTS OF THE BOARD OF ALDERMEN

1888 Edward W. Hincks.
1889 John H. Corcoran.
1890 Alvin F. Sortwell.
1891 William A. Bancroft.
1892 William A. Bancroft.
1893 John R. Fairbairn.
1894 John G. Thorogood.
1895 John R. Fairbairn.
1896 John R. Fairbairn.

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# PRESIDENTS OF THE COMMON COUNCIL

1846 Isaac Livermore.
1847 John Sargent.
1848 John C. Dodge.
1849 Samuel P. Heywood.
1850 Samuel P. Heywood.
1851 John S. Ladd.
1852 John Sargent.
1853 John Sargent.
1854 John C. Dodge.
1855 Alanson Bigelow.
1856 Ezra Ripley. Resigned January 31.
George S. Saunders. Elected January 31.
1857 George S. Saunders.
1858 James C. Fisk.
1859 James C. Fisk.
1860 Hamlin R. Harding.
1861 Hamlin R. Harding.
1862 Jared Shepard. Resigned Sept. 17, 1862.
Knowlton S. Chaffee. Elected Sept. 24, 1862.
1863 George S. Saunders.
1864 George S. Saunders.
1865 John S. March.
1866 John S. March.
1867 Marshall T. Bigelow.

1868 Knowlton S. Chaffee. Resigned.
Henry W. Muzzey. Elected in place of Chaffee, resigned.
1869 Henry W. Muzzey.
1870 Joseph H. Converse.
1871 Joseph H. Converse.
1872 Alvaro Blodgett.
1873 Alvaro Blodgett.
1874 George F. Piper.
1875 George F. Piper.
1876 Frank A. Allen.
1877 Perez G. Porter.
1878 George S. Saunders.
1879 George S. Saunders.
1880 Charles Walker.
1881 Charles Walker.
1882 George H. Howard.
1883 George H. Howard.
1884 George H. Howard.
1885 Cornelius G. H. Bennink.
1886 John H. Corcoran.
1887 John H. Corcoran.
1888 Alvin F. Sortwell.
1889 Edward A. Bingham.
1890 Edward A. Bingham.
1891 Edward C. Wheeler.
1892 Herbert A. Chase.
1893 J. Henry Russell.
1894 Charles M. Conant.
1895 John L. Odiorne.
1896 John L. Odiorne.

# GOVERNMENT OF THE CITY OF CAMBRIDGE
# 1896

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**Mayor.**

HON. WILLIAM A. BANCROFT, 5 Putnam Avenue.

---

**Board of Aldermen.**

*President.*

JOHN R. FAIRBAIRN.

*Ward One.*

| | |
|---|---|
| RUSSELL BRADFORD . . . . | 375 Harvard St. |
| MARSHALL N. STEARNS . . . | 44 Wallace St. |
| HENRY WHITE . . . . . | 1105 Massachusetts Ave. |

*Ward Two.*

| | |
|---|---|
| CHARLES M. CONANT . . . . | 22 Lee St. |
| PETER F. ROURKE . . . . . | 197 Harvard St. |

*Ward Three.*

| | |
|---|---|
| PETER P. BLEILER . . . . . | 60 Spring St. |
| JOHN R. FAIRBAIRN . . . . | 440 Cambridge St. |

*Ward Four.*

| | |
|---|---|
| CLARENCE H. DOUGLASS . . . | 34 Western Ave. |
| CHARLES P. KEITH . . . . | 114 Magazine Street. |

*Ward Five.*

| | |
|---|---|
| WATSON G. CUTTER . . . . | 37 Linnæan St. |
| JAMES A. WOOD . . . . . | 1691 Massachusetts Ave. |

*Clerk.*

EDWARD J. BRANDON.

## Common Council.

*President.*

JOHN L. ODIORNE.

*Ward One.*

| | |
|---|---|
| MELVILLE C. BEEDLE | 31 Wendell St. |
| WILLIAM F. BROOKS | 35 Aberdeen Ave. |
| GEORGE E. SAUNDERS | 5 Concord Ave. |
| WALTER C. WARDWELL | 465 Broadway. |

*Ward Two.*

| | |
|---|---|
| SEDLEY CHAPLIN | 1412 Cambridge St. |
| WILLIAM R. DAVIS | 72½ Webster Ave. |
| CHARLES H. MONTAGUE | 26 Fayette St. |
| CLEMENT G. MORGAN | 309 Columbia St. |
| JOHN L. ODIORNE | 287 Harvard St. |

*Ward Three.*

| | |
|---|---|
| JOHN J. AHERN | 38½ Fifth St. |
| CORNELIUS MINIHAN | 54 Sixth St. |
| JOHN J. SCOTT | 124 Otis St. |
| FRANK H. WILLARD | 410 Cambridge St. |

*Ward Four.*

| | |
|---|---|
| DAVID W. BUTTERFIELD | 87 Green St. |
| DANIEL S. COOLIDGE | 27 William St. |
| EBEN H. GOOGINS | 91 Franklin St. |
| HAMILTON H. PERKINS | 95 Henry St. |
| ORIGEN O. PREBLE | 204 Pearl St. |

*Ward Five.*

| | |
|---|---|
| ALBERT S. APSEY | 21 Blake St. |
| ROBERT A. PARRY | 77 Rice St. |

*Clerk.*

EDWARD A. COUNIHAN.

*Page.*

CHARLES M. JONES.

---

## City Clerk.

EDWARD J. BRANDON.

**Assistant City Clerk.**

ALBERT M. PEAR.

**City Messenger.**

FRANCIS L. PRATT.

## COMMITTEES OF THE CITY COUNCIL.

### Joint Standing Committees.

*Accounts.* Aldermen Keith and White. Councilmen Montague, Brooks, and Perkins.

*Almshouse.* Aldermen Wood and White. Councilmen Minihan, Beedle, and Butterfield.

*Assessors' Department.* Alderman Cutter. Councilmen Minihan and Coolidge.

*City Engineering.* Aldermen Conant and Douglass. Councilmen Parry, Butterfield, and Brooks.

*Claims.* President Fairbairn. Aldermen Cutter, Douglass, and White. President Odiorne. Councilmen Morgan, Ahern, Parry, Preble, and Saunders.

*Electric Wires.* Aldermen Cutter and Rourke. Councilmen Wardwell, Preble, and Chaplin.

*Finance.* President Fairbairn. Aldermen Bradford, Cutter, and Keith. President Odiorne. Councilmen Apsey, Davis, Minihan, Coolidge, and Wardwell.

*Fire Department.* Aldermen Bleiler and Wood. Councilmen Davis, Willard, and Googins.

*Health.* Aldermen Stearns and Douglass. Councilmen Willard, Chaplin, and Butterfield.

*Lamps.* Aldermen Bleiler and Conant. Councilmen Parry, Perkins, and Brooks.

*Legislative Matters.* President Fairbairn. Aldermen Bradford and Wood. President Odiorne. Councilmen Preble, Apsey, and Scott.

*Ordinances.* Aldermen Bradford and Wood. Councilmen Coolidge, Apsey, and Scott.

*Printing.* Aldermen Bleiler and White. Councilmen Beedle, Butterfield, and Chaplin.

*Parks.* Aldermen Cutter and Douglass. Councilmen Coolidge, Willard, and Montague.

*Public Instruction.* Aldermen Bradford and Bleiler. Councilmen Morgan, Apsey, and Scott.

*Public Property.* Aldermen Stearns and Keith. Councilmen Beedle, Ahern, and Chaplin.

*Roads and Bridges.* Aldermen Rourke and Stearns. Councilmen Davis, Minihan, and Wardwell.

*Rules and Orders.* Aldermen Bradford and Rourke. Councilmen Preble, Willard, and Morgan.

*Water Supply.* Aldermen Wood and White. Councilmen Parry, Saunders, and Montague.

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**Standing Committees of the Board of Aldermen.**

*Bonds.* Aldermen Stearns, Douglass, and Wood.

*Claims.* President Fairbairn. Aldermen Cutter, Douglass, and White.

*Fire Department.* Aldermen Bleiler, Wood, and Douglass.

*Health.* Aldermen Stearns, Rourke, and Douglass.

*Licenses.* Aldermen Stearns, Bradford, and Conant.

*Police.* President Fairbairn. Aldermen Bradford and Wood.

*Roads and Bridges.* Aldermen Rourke, Stearns, and Cutter.

*Sewers and Drains.* Aldermen Bleiler, Keith, and Conant.

*Street Railways.* Aldermen Rourke, Stearns, and Bleiler.

*Rules and Orders.* Aldermen Bradford, Rourke, and Wood.

*Elections and Returns.* Aldermen Douglass, Cutter, and Keith.

*Soldiers' Aid.* Aldermen Rourke, Bleiler, Keith, Wood, and White.

*Parks.* Aldermen Cutter, Douglass, and White.

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**Standing Committees of the Common Council.**

*Bills in the Second Reading.* Councilmen Wardwell, Ahern, and Googins.

*Elections and Returns.* Councilmen Morgan, Beedle, and Coolidge.

*Enrolled Ordinances.* Councilmen Preble, Montague, and Scott.

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**Clerk of Committees.**

John McDuffie.

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**City Auditor.**

Harry T. Upham.

**City Treasurer.**

William W. Dallinger.

---

**Board of Health.**

E. Edwin Spencer, M. D., *Chairman.*
(Term, three years.)

Charles Harris (term expires 1897).
E. Edwin Spencer, M. D., *City Physician* (term expires 1898).
Edmund M. Parker (term expires 1899).

*Clerk.*

James B. Soper.

*Health Officer.*

Edwin Farnham, M. D.

---

**Surveyor of Highways.**

His Honor, the Mayor.

---

**Assessors.**

Joshua G. Gooch (term expires 1896).
Samuel L. Montague (term expires 1897).
Andrew J. Green (term expires 1898).
(Term three years.)

*Assistant Assessors.*

Warren Ivers.
John M. Davis.
Daniel B. Shaughnessy.
Arthur M. Stewart.
Edwin K. Hall.

## School Committee.

William A. Bancroft, Mayor, *ex-officio, Chairman.*

WARD I.

Albert B. Hart (term expires 1896).
William T. Piper (term expires 1897).
Elizabeth Q. Bolles (term expires 1898).

WARD II.

Robert O. Fuller (term expires 1896).
Caroline L. Edgerly (term expires 1897).
Alphonso E. White (term expires 1898).

WARD III.

Edward B. Malley (term expires 1896).
William H. Clancy (term expires 1897).
Anne Clark Stewart (term expires 1898).

WARD IV.

Mary E. Mitchell (term expires 1896).
Charles F. Wyman (term expires 1897).
William A. Munroe (term expires 1898).

WARD V.

George P. Johnson (term expires 1896).
Carolyn P. Chase (term expires 1897).
Frederic W. Taylor (term expires 1898).

(Term, three years.)

*Secretary.*

Sanford B. Hubbard.

*Superintendent of Schools.*

Francis Cogswell.

**Overseers of the Poor.**

William W. Burrage, *Chairman.*

Charles Walker (term expires 1896).
Stephen Anderson (term expires 1897).
Alexander Millan (term expires 1898).
William W. Burrage (term expires 1899).
Charles Bullock (term expires 1900).
(Term, five years).

*Secretary.*

David P. Muzzey.

*Visitor.*

Vespasian Danforth.

*Superintendent of Almshouse.*

Martin L. Eldridge.

*Assistant City Physician.*

Lewis L. Bryant, M. D.

---

**Cemetery Commissioners.**

George S. Saunders, *Chairman.*

William A. Bertsch (term expires 1897).
Charles O. Welch (term expires 1897).
Nathan C. Lombard (term expires 1898).
John H. H. McNamee (term expires 1898).
Herbert A. Chase (term expires 1899).
George S. Saunders (term expires 1899).
(Term, three years.)

*Clerk of the Board.*

Edward J. Brandon.

*Superintendent of Cemetery.*

Charles S. Childs.

**Trustees of Cambridge Public Library.**

William Taggard Piper, *President.*
(For one year.)

William T. Piper, *of School Committee.*

*Citizens at large.*

Augustine J. Daly (term expires 1897).
William J. Rolfe (term expires 1897).
Thomas W. Higginson (term expires 1898).
Samuel L. Montague (term expires 1898).
Albert M. Barnes (term expires 1899).
Jabez Fox (term expires 1899).

*Secretary.*

Jabez Fox.

*Treasurer.*

Augustine J. Daly.

*Librarian.*

W. L. R. Gifford.

---

**Cambridge Water Board.**

James M. W. Hall, *President.*
James M. W. Hall (term expires 1896).
Stillman F. Kelley (term expires 1897).
Wellington Fillmore (term expires 1898).
Frank A. Allen (term expires 1899).
George H. Howard (term expires 1900).
(Term, five years.)

*Clerk of the Board.*
Walter H. Harding.

*Acting Superintendent of Water Works.*
Edwin C. Brooks.

*Assistant Superintendent of Water Works.*
Charles B. Parker.

*Pumping Engineer.*
Edwin C. Brooks.

*Water Registrar.*
Walter H. Harding.

### Park Commissioners.

Henry D. Yerxa, *President.*

Henry D. Yerxa (term expires 1896).
Rev. John O'Brien (term expires 1897).
George Howland Cox (term expires 1898).
(Term, three years.)

*Secretary.*
George Howland Cox.

*General Superintendent.*
George R. Cook.

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### Trustees of Sinking Fund of Water Loan.

The Mayor, President of the Common Council, and City Treasurer, *ex-officiis.*

---

### Commissioners of the Sinking Funds.

Charles H. Saunders, *Chairman.*
John C. Bullard (term expires 1896).
George H. Howard (term expires 1896).
Andrew J. Lovell (term expires 1897).
J. Henry Russell (term expires 1897).
Frank A. Allen (term expires 1898).
Charles H. Saunders (term expires 1898).
(Term, three years.)

*Treasurer.*
William W. Dallinger.

*Secretary.*
John McDuffie.

---

### Trustees of the Sanders Temperance Fund.

The Mayor, the President of the Board of Aldermen, and the President of the Common Council, *ex-officiis.*

---

### Trustees of the Bridge Charitable Fund.

The Mayor, the President of the Board of Aldermen, and the President of the Common Council, *ex-officiis.*

**Trustees of the Dowse Institute.**

The Mayor and the President of the Common Council, *ex-officiis*.

William W. Wellington. Willard A. Bullard.

Frank A. Allen.

---

**Senators in General Court.**

Frederick W. Dallinger.

Third Middlesex District, Wards, 1, 2, 4, 5.

Martin M. Lomasney.

Third Suffolk District, Ward 3.

---

**Representatives in General Court.**

David T. Dickinson. John H. Ponce.

James J. Myers. George S. Evans.

Jeremiah F. Donovan. James W. Coleman.

Wellington Fillmore.

---

**Registrars of Voters.**

Isaac Bradford, *Chairman*.

William J. Breen (term expires 1896).
Isaac S. Pear(term expires 1897).
Isaac Bradford (term expires 1898).
James Cox (term expires 1899).

*Clerk.*

---

**Third District Court of Eastern Middlesex.**

*Standing Justice.*

Charles Almy.

*Special Justices.*

Samuel W. McDaniel. Augustine J. Daly.

*Clerk.*

Emerson W. Law.

*Probation Officer.*

Frederick W. Hagar.

**City Solicitor.**

Gilbert A. A. Pevey.

---

**City Engineer.**

Lewis M. Hastings.

---

**Superintendent of Sewers.**

Theodore L. Pike.

---

**Inspector of Wires.**

Charles F. Hopewell.

---

**Fence Viewers.**

Colin Chisholm.
William H. Gray.
Lewis M. Hastings.

---

**Commissioner on West Boston, Craigie's, Prison Point, and Harvard Bridges.**

William J. Marvin.

---

**Harbor Master.**

William J. Marvin.

---

**Superintendent of Streets.**

Charles A. Brown.

---

**Superintendent of Public Buildings.**

William H. Gray.

**Superintendent of Lamps.**

Charles F. Hopewell.

---

**Superintendent of Ambulances.**

---

**Board of Engineers of Fire Department.**

*Chief Engineer.*

Thomas J. Casey.

*Call District Chiefs.*

Nathaniel W. Bunker. Charles W. Brackett.
William B. Cade.

---

**Police Department, 1896.**

*Chief of Police.*

Lothrop J. Cloyes.

*Captains of Police.*

| DISTRICT NO. 1. | DISTRICT NO. 2. | DISTRICT NO. 3. |
|---|---|---|
| Mark J. Folsom. | John F. Murray. | Thomas H. Lucy. |

*Lieutenant and Asst. Inspector.* *Clerk.*

James E. Murray. Charles W. Priest.

*Court Officer.*

Sergt. William F. Batchelder.

*Sergeants of Police.*

| DISTRICT NO. 1. | DISTRICT NO 2. | DISTRICT NO. 3. |
|---|---|---|
| Daniel Callahan. | James S. Alexander. | Dennis Corcoran. |
| Fred. B. Pullen. | Charles L. Pike. | William Mullet. |
| Andrew Sproul. | | |

## *Patrolmen.*

With the Numbers of their Badges.

### DISTRICT No. 1.

| No. of Badge. | | No. of Badge. | |
|---|---|---|---|
| 7 | George T. Barrington. | 35 | Fred. L. Ladd. |
| 28 | Edward F. Belcher. | 67 | Dennis F. Leahy. |
| 53 | Elbridge S. Blen. | 44 | Charles C. Marston. |
| 69 | Michael J. Brennan. | 55 | John P. Maloy. |
| 29 | Michael J. Conry. | 10 | John J. McBride. |
| 20 | Timothy Corcoran. | 16 | Edward J. McCabe. |
| 71 | Daniel F. Counihan. | 1 | John E. McCrehan. |
| 25 | Edward J. Comerford. | 57 | Hugh J. McNamee. |
| 40 | Patrick Doyle. | 18 | James E. McNulty. |
| 68 | John W. Deehan. | 84 | Charles H. Presho. |
| 8 | Joseph H. Furbush. | 62 | Bernard J. Roper. |
| 2 | William H. Graves. | 6 | Leonard Shackford. |
| 82 | Mortimer M. Hackett. | 21 | George Smyth. |
| 49 | Simon D. Hiscock. | 24 | David A. Stevens. |
| 47 | Robert T. Hixon. | 42 | John H. Wells. |
| 22 | Moses W. Hooper. | 80 | Edward J. Welch. |
| 58 | James H. H. Holt. | 3 | Orrin B. White. |
| 17 | Dexter Jewett. | 48 | John E. Winslow. |
| 32 | James M. Keaney. | | |

### DISTRICT No. 2.

| No. of Badge. | | No. of Badge. | |
|---|---|---|---|
| 51 | Richard H. Aylward. | 26 | James E. McElroy. |
| 34 | Michael Culhane. | 13 | Benjamin McKeen. |
| 56 | John Coulter. | 64 | William H. McMenimen. |
| 50 | Thomas F. Dynan. | 75 | Simon J. Mulvaney. |
| 74 | James B. Forristall. | 45 | Patrick F. Murray. |
| 38 | Michael A. Ginty. | 43 | Robert E. Mullen. |
| 41 | John J. Griffiths. | 4 | Michael Neilon. |
| 77 | John A. Hezlitt. | 59 | Thomas J. Real. |
| 14 | Benjamin F. Higgins. | 70 | Frederick A. Robinson. |
| 33 | William H. H. Howe. | 31 | William H. Robertson. |
| 11 | Henry C. Jones. | 73 | Thomas P. Rowe. |
| 23 | Frederick W. Law. | 78 | William H. Rowe. |
| 79 | Edward J. Malley. | 61 | Cornelius Sullivan. |
| 72 | Bernard McCaffrey. | 65 | John E. Shaughnessy. |
| 30 | Jeremiah McCarthy. | | |

DISTRICT No. 3.

| No. of Badge. | | No. of Badge. | |
|---|---|---|---|
| 5 | Frederick Apel. | 27 | Charles J. McCann. |
| 60 | Charles F. Aberle. | 39 | Joseph J. McCorry. |
| 36 | William A. Butcher. | 15 | William F. McKeown. |
| 66 | Francis J. Coghlan. | 76 | William N. Mullins. |
| 81 | Herbert Gordon. | 83 | Ralph R. Rice. |
| 9 | James P. Hall. | 19 | Benjamin C. Scully. |
| 12 | Timothy J. Hartnett. | 46 | Frank W. Scobey. |
| 37 | Patrick F. Hurley. | 63 | John W. Skelley. |

*Drivers of Patrol Wagons.*

John T. Cook.
John J. McCauley.
John Sullivan.
John Coffey.

*Matrons.*

Mrs. E. S. Haines.
Mrs. A. M. Stearns.

*Policemen without Pay (within the Civil Service).*

William H. Aberle.
Horace A. Allyn.
John A. Austin.
Richard Balmer.
John A. Bartlett.
Charles W. Brackett.
James T. Brassil.
Timothy J. Breen.
James K. Bresnan.
Daniel A. Buckley.
Ferdinand N. Buffum.
Nathaniel W. Bunker.
William Burgess.
James Burke.
Samuel Busnach.
William B. Cade.
William H. Cairns.
Thomas J. Casey.
James Carter.
Moses M. Child.
Charles S. Childs.
Ambrose H. Clark.
Noah M. Cofran.
Patrick Corcoran.
Vespasian Danforth.
Abner R. Davis.
Daniel K. Dinsmore.
Patrick F. Dunlea.
Martin L. Eldridge.
Thomas Flynn.
Oliver G. Fosdick.
William Foster.
James H. Furfey.
Charles A. Gay.
Eli L. Goodrow.
James Grant.
Henry L. Hale.
John L. Harrington.
Thomas L. Harrington.
Thomas M. Howard.

J. Lewis Howe.
William Hunnewell.
Samuel F. Hunt.
Thomas W. Jones.
John Kelleher.
Conrad D. Kinnear.
William B. Lehmkuhl.
James W. Lovering.
James H. Lyons.
Francis M. Mason.
John H. McCarthy.
John R. McPeake.
George W. Montgomery.
Thomas Montgomery.
Dennis Murphy.
Nathaniel M. Neal.
Augustus W. Nelson.
James H. Newman.
Francis A. Osborn.
George A. Parmenter
Francis L. Pratt.
Charles L. Russell.
Charles M. Sanborn.
John F. Sharkey.
John T. Shea.
Edward Smith.
David H. Walsh.
Clarence H. Whiting.
George Wood.

*Policemen without Pay.*

Robert Alexander.
Walter J. Anderson.
George M. Barnum.
James T. Barrett.
George W. Bates.
Merrill H. Bent.
Sylvester O. Boody.
Charles E. Bramhall.
Edwin C. Brooks.
John F. Brooks.
Andrew Burke.
Thomas F. Burke.
John I. Carroll.
Edward F. Chase.
Daniel V. Clark.
John Clark.
Patrick Clark.
Frederick Clover.
Gideon H. Cloyes.
John Coffee.
John T. Cook.
Patrick Cronin.
Jeremiah Crowley.
William H. Cutler.
Charles O. Dam.
Charles W. Dailey.
John M. Day.
Felix Desnoit.
Antone B. Diehl.
John Dillon.
James Doherty.
John F. Donnelly.
William H. Donovan.
Rufus S. Downe.
John E. Duffy.
James F. Dunn.
Frederick M. Ellis.
Thomas Elword.
Rudolph Erkhart.
Dennis J. Farrell.
James E. Ferguson.
William A. Ford.
Antonio Francis.
John Furfey.
David Garvin.
Leander W. H. Gifford.
Charles E. Goodrow.
George E. Goodwin.

Charles B. Gordon.
James A. Gorman.
Frank C. Hatch.
Irving H. Henderson.
Eliakim W. Hill.
William H. Hill.
John H. Hollenback.
William Hood.
John W. Hope.
Carlton A. Keith.
Armon A. Kiner.
John L. Kirby.
George P. Knowlton.
Everett W. Langley.
Charles E. W. Lawson.
Charles A. Leighton.
Horace D. Litchfield.
Herbert E. Lombard.
Jeremiah J. Long.
William L. Lyon.
Leroy P. C. Mackusick.
John J. McCarthy.
Charles I. Marston.
John McCauley.
Thomas H. McCourt.
Angus S. McDonald.
Frederick McKenzie.
Thomas H. McManus.
Hopkins E. Moore.
Charles Morris.
Charles H. Morse.
John Moulton.
Jeremiah Murphy.
Albert Murray.
James O'Brien.
John A. O'Connor.
Harlan Z. Page.
James H. Parker.
Robert A. Parry.
George A. Patten.
Melvin W. Perry.
William C. Pierce.
Albert F. Roberts.
B. Frank Robinson.
Frank Russell.
Michael Shaughnessy.
John J. Shea.
Alex. F. Shepherd.
Thomas R. Sheridan.
Joseph S. Skelton.
James C. Scorgie.
Albert Smith.
Richard W. Sutton.
John Sullivan.
Samuel H. Swain.
Samuel E. Tasco.
John Taylor.
Thomas M. Thomas.
Lyman Vose.
Edward W. White.
Samuel Whitney.
Edgar L. Wentworth.

*Keeper of Lock-ups.*

Lothrop J. Cloyes.

*Truant Officers.*

Moses M. Child.
John Carmichael.
Francis M. Mason.
William H. Porter.

*Constables.*

George T. Barrington.
William F. Batchelder.
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Lothrop J. Cloyes.
Vespasian Danforth.
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William A. Ford.
Mark J. Folsom.
Joseph Fox.
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Appleton Hubbard.
Warren Ivers.
James E. Lennon.
P. Allen Lindsey.
John Loughrey.
Thomas H. Lucy.
John F. Murphy.
James E. Murray.
John F. Murray.
Daniel B. Nash.
Julius M. Nazro.
John J. Rafferty.
Thomas C. Scottron.
Frank E. Shaw.
John W. Skelley.
Arthur M. Stewart.
Edward M. Williams.
Cyril Wright.

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**Undertakers.**

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John W. Coveney.
Daniel P. Danehy.
Thomas Devens.
Arthur S. Fudge.
David Fudge.
Samuel F. Hunt.
George H. Kelley.
Joseph J. Kelley.
Gustavus King.
John J. Loan.
C. Henry Lockhart.
Abiel E. Long.
George W. Long.
Horace D. Litchfield.
Judson Litchfield.
Alexander Marcille.
James McGovern.
John J. Murphy.
James F. Mullen.
William H. Porter.
George F. Ricker.
James H. Ross.
William Ross.
John Ross.
James J. Shea.
John T. Shea.
Ralph Smith.
William Stinson.
William A. Taylor.
Benjamin F. Wyeth.
Henry A. Wyeth.

## Auctioneers.

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Daniel A. Buckley.
Norman J. Campbell.
Wilbur S. Clarke.
John F. Coolidge.
John W. Coveney.
Watson G. Cutter.
Walter B. Danforth.
James A. Donovan.
William R. Ellis.
Paul Epstein.
John R. Fairbairn.
Max Frankenstein.
Daniel J. Hayes.
Stephen H. Harrington.
John A. Kelleher.
Leander M. Hannum.
James E. Lennon.
P. Allen Lindsey.
John Mahady.
John F. Murphy.
Charles L. Phillips.
Edmund E. Sanborn.
Thomas C. Scottron.
Arthur R. Torrey.
Francis Traynor.
Walter C. Wardwell.
William Welling.
Cyril Wright.

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## Field Drivers.

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Daniel Callahan.
Dennis Corcoran.
William Mullett.
Charles L. Pike.
Frederick B. Pullen.
Andrew Sproul.
Richard H. Aylward.
Frederick Apel.
George T. Barrington.
Edward F. Belcher.
Elbridge S. Blen.
Michael J. Brennan.
William A. Butcher.
Francis J. Coghlan.
Michael J. Conry.
Timothy Corcoran.
John Coulter.
Michael Culhane.
Edward J. Comerford.
Daniel F. Counihan.
Thomas F. Dynan.
John W. Deehan.
Patrick Doyle.
James B. Forristall.
Joseph H. Furbush.
Michael A. Ginty.
Herbert Gordon.
William H. Graves.
John J. Griffiths.
Mortimer M. Hackett.
James P. Hall.
John A. Hezlitt.
Timothy J. Hartnett.
Benjamin F. Higgins.
Simon D. Hiscock.
Robert T. Hixon.
Moses W. Hooper.
James H. H. Holt.
William H. H. Howe.
Patrick F. Hurley.
Henry C. Jones.
Dexter Jewett.

James M. Keaney.
Fred. L. Ladd.
Frederick W. Law.
Dennis F. Leahy.
Edward J. Malley.
John P. Maloy.
Charles C. Marston.
Edward J. McCabe.
Bernard McCaffrey.
John J. McBride.
Joseph F. McCorry.
Jeremiah McCarthy.
John E. McCrehan.
Charles J. McCann.
James L. McElroy.
Benjamin McKeen.
William F. McKeown.
William H. McMenimen.
Hugh J. McNamee.
James E. McNulty.
Robert E. Mullen.
William N. Mullins.
Simon J. Mulvaney.
James E. Murray.
Patrick F. Murray.
Michael Neilon.
Charles W. Priest.
Thomas J. Real.
Bernard J. Roper.
Frederick A. Robinson.
William H. Robertson.
Thomas P. Rowe.
William H. Rowe.
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Benjamin C. Scully.
John E. Shaughnessy.
Leonard Shackford.
John W. Skelley.
George Smyth.
David A. Stevens.
Cornelius Sullivan.
Edward J. Welch.
John H. Wells.
Orrin B. White.
John Wiley.
John E. Winslow.

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**Measurers of Wood and Bark.**

Herbert T. Lawrence.
Robert A. Parry.
Joseph P. Quilty.
George Stephens.

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**Pound Keeper.**

Robert Holden.

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**Committee for the Preservation of Fish.**

Lewis M. Hastings.
Theodore L. Pike.

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**Hay Weigher.**

Thomas Gurnham.

### Coal Weighers.

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Hiram W. Brooks.
Silas E. Buck.
Edward E. Coye.
Walter F. Grieves.
Fred A. Humiston.
Herbert T. Lawrence.
Charles H. Lealand.
Thomas H. Matthews.
John Moynahan.
John E. A. Mulliken.
Amos Pettingill.
Frank H. Tyler.
Alfred H. Wellington.
Ernest H. Wellington.

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### Inspectors of Junk Shops, Pawnbrokers' Shops, and Second-hand Stores and Dealers.

Mark J. Folsom.
John F. Murray.
Thomas H. Lucy.
James E. Murray.

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### Sealer of Weights and Measures.

Albert F. Roberts.

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### Weighers.

Leonard R. Bacon.
Robert C. Bird.
Edward J. Carroll.
Isaac A. Chandler.
James W. Coleman.
William L. Ducey.
Alex S. Ford.
John Guiney.
Charles F. Hittinger.
Nathan H. Holbrook.
Robert Holden.
Henry Hooker.
Stanley Jennison.
William Maloney.
Melville McFarland.
Alfred Morrill.
Walter H. Murdock.
Robert S. Paine.
John Reardon, Jr.
James J. Scully.
Thomas H. Shea.
Frank H. Tyler.
Edmund I. Train.
Alexander Wight.

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### Inspector of Milk.

Frank A. Dunbar, M. D.

**Inspector of Vinegar.**

Frank A. Dunbar, M. D.

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**Inspector of Animals and Provisions.**

Charles E. Hadcock, M. D. V.

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**Persons to Receive Information of Damages done by Dogs. (Ch. 454, Acts of 1889.)**

Lothrop J. Cloyes.

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**Inspector of Pressed or Bundled Hay and Straw.**

Henry K. Parsons.

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**Persons to Cause to be Properly Interred the Bodies of Soldiers and Sailors.**

John Donelan.
George S. Evans.
William H. Eveleth.
Alphonzo M. Lunt.

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**Surveyors of Mechanics' Work.**

Charles A. Mason.
John S. Pollard.

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**Measurer and Surveyor.**

Henry L. Hale.

---

**Inspector of Charcoal Baskets.**

Albert F. Roberts.

---

**Measurer of Grain.**

Albert F. Roberts.

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